File: 8074 — Haz. Mat. II (Old Corp Yd)
8041.1 — Environmental Services

PES Environmental, Inc.
Engineering & Environmental Services

MEMORANDUM

TO: Joe Ezeokeke, City of Milpitas Engineering Department

FROM: Saul Germanas/Nicholas Pogoncheff, PES Environmental, Inc.

DATE: May 8, 2001

SUBJECT: Old Corporation Yard

PROJECT NO.: 129.002.02.008

During a recent meeting with Ms. Rita Chan of the Santa Clara Valley Water District ([SCVWD] case worker for underground storage tank closure at the former Old Corporation Yard), PES was informed that although the SCVWD is considering issuing a closure letter for the site, such a letter would include a restriction designed to protect present and future public health and safety concerns due to the residual levels of petroleum hydrocarbons in groundwater. Ms. Chan described two types of restrictions that could be considered for closure of the site. They include: (1) preparation of a Notice of Environmental Restriction and Covenant that would be filed with the County assessor's office; or (2) preparation of a similar deed notification statement that would be attached to the UST case closure documentation. Both of these mechanisms require that the SCVWD be notified of any future site activities that could result in exposure to the residual contamination or change(s) in land use at the property. The restrictions are designed to notify future property owners of the presence of residual petroleum hydrocarbons in soil and groundwater, so that appropriate actions can be addressed should conditions at the property change (e.g., in the event property changes are planned, a worker health and safety plan and/or materials management and disposal plan would need to be developed and submitted to the SCVWD and/or building department).

As an alternative to case closure with restrictions, the SCVWD indicated that additional remediation would need to be performed to address the residual levels of petroleum hydrocarbons in groundwater. Well MW-2 is the only remaining well on this parcel that contains dissolved petroleum hydrocarbons. The most recent benzene concentration is approximately 330 ppb, and has been as high as 2,300 ppb (May 1998). The SCVWD has stated that these concentrations are too high to allow case closure without the aforementioned mechanisms for restriction.

With respect to additional remediation that could be performed to address residual levels of benzene in well MW-2, PES has evaluated two response actions for implementation at the site. These two response actions include: (1) soil excavation and groundwater pumping and

disposal; and (2) dual-phase extraction and treatment of soil vapor and groundwater. It should be recognized however, that although these response actions have been applied successfully at other sites, the presence of fine-grained materials in which the residual petroleum hydrocarbons are present at the subject site, may limit the effectiveness of additional response actions, and thereby prevent the achievement of adequate cleanup to levels that the SCVWD would allow closure without the aforementioned restrictions. Completion of either of these response actions may not achieve the goal of reducing benzene to closure concentrations without restrictions. At the City's request, PES has developed cost estimates for the implementation of these response actions. The cost estimates are summarized in the attached spreadsheets. PES suggests that a conference call or meeting be held with the City to discuss future closure options for the site.

Santa Clara Valley Water District

5750 ALMADEN EXPWY
SAN JOSE, CA 95118-3686
TELEPHONE (408) 265-2600
FACIMILE (408) 266-0271
www.scvwd.dst.ca.us
AN EQUAL OPPORTUNITY EMPLOYER

April 11, 2001

Mr. Joe Ezeokeke
City of Milpitas
1265 North Milpitas Boulevard
Milpitas, CA 95035

Dear Mr. Ezeokeke:

Subject: Fuel Leak Site Case Closure—Old Corporation Yard, 116 North Main Street, Milpitas, CA; Case No. 10-099

This letter transmits the enclosed underground storage tank (UST) case closure letter in accordance with Chapter 6.75 (Article 4, Section 25299.37[h]). The State Water Resources Control Board adopted this letter on February 20, 1997. As of March 1, 1997, the Santa Clara Valley Water District is required to use this case closure letter for all UST leak sites. We are also transmitting to you the enclosed case closure summary. These documents confirm the completion of the investigation and cleanup of the reported release at the subject site. The subject fuel leak case is closed.

SITE INVESTIGATION AND CLEANUP SUMMARY

Please be advised that the following conditions exist at the site:

- Residual contamination exists at the site; however, the concentration levels are below regulatory concern.

If you have any questions, please call Ms. Rita S. Chan at (408) 265-2607, extension 2643. Thank you.

Sincerely,

James S. Crowley, P.E.
Engineering Unit Manager
Leaking Underground Storage Tank Oversight Program

Enclosures:
1. Case Closure Letter
2. Case Closure Summary

cc: Mr. Chuck Headlee (w/enc 1&2)
Regional Water Quality Control Board
San Francisco Bay Region
1515 Clay Street, Suite 1400
Oakland, CA 94612

Fire Prevention Bureau (w/enc 1)
Milpitas Fire Department
455 East Calaveras Boulevard
Milpitas, CA 95035

Ms. Carla Lawson (w/enc 1)
Division of Clean Water Programs
Underground Storage Tank Cleanup Fund
State Water Resources Control Board
P.O. Box 944212
Sacramento, CA 94244-2120

Santa Clara Valley Water District

5750 ALMADEN EXPWY
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AN EQUAL OPPORTUNITY EMPLOYER

April 11, 2001

Mr. Joe Ezeokeke
City of Milpitas
1265 North Milpitas Boulevard
Milpitas, CA 95035

Dear Mr. Ezeokeke:

Subject: Fuel Leak Site Case Closure—Old Corporation Yard, 116 North Main Street, Milpitas, CA; Case No. 10-099

This letter confirms the completion of a site investigation and remedial action for the underground storage tank(s) formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tank(s) are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your underground storage tank(s) site is in compliance with the requirements of subdivisions (a) and (b) of Section 25299.37 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.77 of the Health and Safety Code and that no further action related to the petroleum release(s) at the site is required.

This notice is issued pursuant to subdivision (h) of Section 25299.37 of the Health and Safety Code.

Please contact our office if you have any questions regarding this matter.

Sincerely,

James S. Crowley, P.E.
Engineering Unit Manager
Leaking Underground Storage Tank Oversight Program

Santa Clara Valley Water District

CASE CLOSURE SUMMARY
LEAKING UNDERGROUND FUEL STORAGE TANK PROGRAM

I. AGENCY INFORMATION

Date: April 4, 2001

Agency Name: Santa Clara Valley Water District	Address: 5750 Almaden Expressway
City/State/Zip: San Jose, CA 95118	Phone: (408) 265-2600
Responsible Staff Person: Rita S. Chan, P.E.	Title: Assistant Civil Engineer

II. CASE INFORMATION

Site Facility Name: Old Corporation Yard		
Site Facility Address: 116 North Main Street, Milpitas, CA 95035		
RB LUSTIS Case No.: —	Local Case No.: 06S1E06P01f	LOP Case No.: 10-099
URF Filing Date: —	SWEEPS No.: —	APN: 028-24-026

Responsible Parties	Addresses	Phone Number
Mr. Joe Ezeokeke City of Milpitas	1265 North Milpitas Boulevard Milpitas, CA 95035	(408) 942-2367

Tank I.D. No	Size in Gallons	Contents	Closed In Place/Removed?	Date
—	260 Gallons	Gasoline	Removed	8/90
Piping			—	—

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: No holes were observed on the gasoline underground storage tank (UST).		
Site characterization complete? Yes	Date Approved By Oversight Agency: —	
Monitoring wells installed? Yes*	Number: 7	Proper screened interval? Yes
Highest GW Depth Below Ground Surface: 5'	Lowest Depth: 8.8'	Flow Direction: Northwest
Most Sensitive Current Use: Potential Drinking Water Supply		

*Previous investigation/cleanup was performed at this site and the adjacent Milpitas Senior Center site at the same time. Monitoring wells (MW-1, MW-3, and MW-1R) were installed on the property of Old Corporation Yard (116 North Main Street). Monitoring wells (MW-2, MW-4, and MW-6) were installed on the property of Milpitas Senior Center (160 North Main Street). Monitoring well MW-5 was installed in the parking area downgradient of both properties.

Summary of Production Wells in Vicinity: Eight abandoned and five destroyed production wells are identified within ¼-mile of the site; the closest abandoned well is located at approximately 500 feet southwest of the site. Based on the levels of residual contamination at the site and the proximity of these wells to the site, they are not likely to be affected by the reported release.	
Are drinking water wells affected? No	Aquifer Name: Santa Clara Valley Groundwater Basin
Is surface water affected? No	Nearest SW Name: Lower Penitencia Creek, ~ 800 feet west of site
Off-Site Beneficial Use Impacts (Addresses/Locations): None reported	
Reports on file? Yes	Where are reports filed? Santa Clara Valley Water District

TREATMENT AND DISPOSAL OF AFFECTED MATERIAL			
Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Tank	One at 260 gallons	Disposed; destination unknown	8/90
Piping	—	—	—
Free Product	—	—	—
Soil	Unknown* ~511 tons*	Destination unknown Transported to landfill for disposal	11/90 4/98
Groundwater	—	—	—
Barrels	—	—	—

MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS									
Contaminant	Soil (ppm)		Water (ppb)		Contaminant	Soil (ppm)		Water (ppb)	
	Before	After	Before	After		Before	After	Before	After
TPH (Gas)	1,800[1]	80[3]	20,370[6]	480[10]	Xylene	140[1]	0.094[4]	1100[7]	31[10]
TPH (Diesel)	51[2]	—	—	—	Ethylbenzene	27[1]	1.45[5]	810[7]	13.4[10]
Benzene	26[1]	0.27[3]	7,400[7]	72.6[10]	Oil & Grease	—	—	—	—
Toluene	74[1]	ND	750[8]	3.3[10]	Heavy Metals	—	—	—	—
Other	—	**	—	***	MTBE	—	ND	26.9[9]	16.4[10]

Description of Interim Remediation Activities: Please see Site History in Section V.

*Some of this soil was excavated from the adjacent Milpitas Senior Center site.

**The soil samples collected from borings (GW-1 through GW-4) near the Milpitas Senior Center in August 2000 were analyzed for fuel oxygenates including Tert-Butyl Alcohol (TBA), Methyl tert Butyl Ether (MTBE), Di-Isopropyl Ether (DIPE), Ethyl tert-Butyl Ether (ETBE), tert-Amyl Methyl Ether (TAME), 1,2-Dichloroethane (1,2-DCA) and Ethylene dibromide (EDB). None of these compounds were detected above their detection limits.

***The grab groundwater samples collected from borings (GW-1 through GW-4) near the Milpitas Senior Center in August 2000 were analyzed for fuel oxygenates including TBA, MTBE, DIPE, ETBE, TAME, 1,2-DCA and EDB. None of these compounds were detected above their detection limits. In addition, groundwater samples collected during September 2000 were also analyzed for fuel oxygenates; DIPE, TBA, ETBE, and TAME were not detected; MTBE was detected in the groundwater samples collected from MW-1R and MW-2.

[1]This soil sample was collected from boring MB-8 at approximately 8.5 feet below ground surface (bgs) in April 1996.
[2]This soil sample (1-East) was collected from the east wall of the gasoline UST excavation in November 1991.
[3]This soil sample (HA1) was collected from the south of the gasoline tank excavation along the property boundary in November 1999.
[4]This soil sample (EX3-West) was collected from the west excavation wall in August 1998.
[5]This soil sample (EX3-South) was collected from the south excavation wall in August 1998.
[6]This groundwater sample was collected from monitoring well MW-1 in March 1996.
[7]This groundwater sample was collected from monitoring well MW-1 in December 1996.
[8]This groundwater sample was collected from monitoring well MW-1 in February 1992.
[9]This groundwater sample was collected from monitoring well MW-1R in September 1999.
[10]This groundwater sample was collected from monitoring well MW-1R in September 2000.

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Yes		
Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? Yes		
Does corrective action protect public health for current land use? Santa Clara Valley Water District staff does not make specific determinations concerning public health risk. However, it does not appear that the release would present a risk to human health.		
Site Management Requirements: None		
Should corrective action be reviewed if land use changes? No		
Monitoring Wells Decommissioned: Yes	Number Decommissioned: 1*	Number Retained: 6
List Enforcement Actions Taken: None		
List Enforcement Actions Rescinded: None		

*Monitoring well MW-1 was destroyed properly in April 1998.

V. ADDITIONAL COMMENTS, DATA, ETC.

Site History:

Note: Joint investigation/cleanup was performed for this site and the adjacent Milpitas Senior Center site on 160 N. Main Street. Therefore, some of the following descriptions may pertain to the adjacent site.

08/22/90	One 260-gallon gasoline UST was removed from this site. Analytical results for a soil sample collected under the gasoline UST at a depth of 7 feet below ground surface (bgs) indicated the presence of 140 parts per million (ppm) Total Petroleum Hydrocarbons as Gasoline (TPHG), 0.74 ppm Benzene, 1 ppm Toluene, 1.9 ppm Ethylbenzene, and 12 ppm Xylenes. One well reported to be located near the gasoline tank was destroyed by pressure grouting on August 21, 1990.
12/27/90	Monitoring well MW-1 was installed approximately 10 feet downgradient of the former gasoline UST at the Old Corporation Yard. Monitoring well MW-2 was installed approximately 10 feet downgradient of the former waste oil tank at the Milpitas Senior Center property. Monitoring well MW-3 was installed upgradient of the properties. Analytical results for soil samples collected from MW-1 in the vicinity of the gasoline UST indicated up to 1.8 ppm TPHG, 0.076 ppm Benzene, 0.21 ppm Toluene, 0.007 ppm Ethylbenzene, and 0.042 ppm Xylenes.
06/28/91 & 07/01/91	Grab groundwater samples were collected from five temporary well points (WP-2, WP-3, WP-5, WP-6, and WP-8). Analytical results for the grab groundwater samples collected from locations at the Old Corporation Yard (WP-2 and WP-3) indicated up to 78 parts per billion (ppb) TPHG, and minor amounts of Toluene, Ethylbenzene, and Xylenes
10/91 & 11/91	Additional soil was removed from the former fuel tank excavations at both sites. Soil samples were collected from each excavation sidewall. Analytical results for soil samples collected from the gasoline tank excavation indicated up to 1100 ppm TPHG, 51 ppm Total Petroleum Hydrocarbons as Diesel (TPHD), 10 ppm TPH as motor oil, 2.2 ppm Benzene, 27 ppm Toluene, 16 ppm Ethylbenzene, and 96 ppm Xylenes. No samples were collected from the base of the excavation because groundwater was present in the excavation during soil excavation. The excavations were subsequently backfilled to grade using clean, imported fill. Soils generated during excavation were stockpiled onsite, profiled and transported to a landfill for disposal.

Site History (continued)

02/10/92	Monitoring wells MW-4 and MW-5 were installed. Analytical results for soil samples collected from the well borings did not indicate the presence of TPHG or Benzene, Toluene, Ethylbenzene, Xylenes (BTEX) above detection limits.
04/25/96	Twelve borings (MB-1 through MB-12) were drilled on both sites. The borings were completed to depths that ranged from 11 to 16 feet. Analytical results for soil samples collected near the former gasoline UST at MB-8 indicated up to 1800 ppm TPHG, 26 ppm Benzene, 74 ppm Toluene, 27 ppm Ethylbenzene, and 140 ppm Xylenes. A grab groundwater sample was collected in boring MB-5, located approximately downgradient of both sites; analytical results indicated the presence of 1100 ppb TPHG, 26 ppb Benzene, 95 ppb Ethylbenzene, and 31 ppb Xylenes.
03/10/97	An additional monitoring well MW-6 was installed on the Milpitas Senior Center property. TPHG, BTEX, or MTBE were not detected in soil or groundwater at this location.
04/17/98	Monitoring well MW-1 was destroyed by pressure grouting because additional overexcavation of the area was planned.
08/20/98	Additional excavation was performed to remove the residual soil contamination at both sites. Soil was removed to a depth of 9 to 9.5 feet bgs. Following completion of the excavation, the sidewalls of the excavation area were visually inspected for evidence of staining and presence of petroleum hydrocarbons. Sidewall soil samples were collected on August 27, 1998 at a depth of 5 to 5.5 feet bgs. Analytical results for soil samples collected from the eastern sidewall of the gasoline UST excavation indicated up to 340 ppm TPHG, 1.8 ppm Benzene, 2.7 ppm Toluene, 5 ppm Ethylbenzene, and 2.2 ppm Xylenes. Additional soil excavation was performed on the eastern sidewall on September 4, 1998. A confirmation sample was collected, and the analytical results did not indicate the presence of TPHG, BTEX, or MTBE. Prior to backfilling the excavations, oxygen releasing compounds (ORC) were applied to the saturated soil at the base of each excavation.
09/04/98	The two excavation areas were backfilled with clean imported fill. It was reported that approximately 380 tons of soil were transported to the Class II Altamont landfill, and 131 tons were transported to the Class III Kirby Canyon landfill for disposal.
10/29/98	Monitoring well MW-1R was installed to replace MW-1. MW-1R is located directly downgradient of the former gasoline UST. No soil samples were collected for analysis.
03/10/99	ORC was placed in MW-1R and subsequently in July 1999 and March 2000.
07/26/99	ORC was placed in MW-2 in July 1999 and replaced in March 2000.
11/16/99	Two additional soil samples (HA1 and HA2) were collected at a depth of 5 feet bgs at the south of the excavation along the Old Corporation Yard boundary. Analytical results indicated the presence of 80 ppm TPHG and 0.27 ppm Benzene in one sample.
08/00	Soil and grab groundwater samples were collected from four borings (GW-1 through GW-4) near the Milpitas Senior Center. GW-1 and GW-2 were located adjacent to the two well point locations (WP-6 and WP-5) previously installed in June and July 1991. No petroleum compounds or fuel oxygenates were detected in the soil samples. Analytical results for the grab groundwater samples indicated up to 200 ppb TPHG, 13 ppb Benzene, 21 ppb Ethylbenzene, 13 ppb Xylenes, and 17 ppb 1,2-DCA at GW-1.

Conclusions:

Based on previous investigation results, it appears that the majority of the residual soil contamination had been removed from this site by overexcavation. Groundwater monitoring results also suggest that the residual groundwater contamination as a result of the release from the former gasoline UST would not pose a significant risk to human health, safety, and the environment. It is anticipated that natural attenuation will continue to reduce the remaining pollution at the site. Santa Clara Valley Water District staff does not believe that a continuing threat to soil and groundwater exists at the site. Therefore, no further corrective action is necessary at this time for the site of Old Corporation Yard.

VI. LOCAL AGENCY REPRESENTATIVE DATA

Prepared by: Rita S. Chan, P.E.	Title: Assistant Civil Engineer
Signature:	Date: 4/5/01
Approved by: James S. Crowley, P.E.	Title: Engineering Unit Manager
Signature:	Date: 4/5/01

This closure approval is based upon the available information and with the provision that the information provided to this agency was accurate and representative of site conditions.

VII. REGIONAL BOARD NOTIFICATION

Regional Board Staff Name: Chuck Headlee	Title: Engineering Geologist
RB Response: Concur, based solely upon information contained in this case closure summary.	Date Submitted to RB:
Signature: Please see the attached sheet for signature	Date: 4/9/01

Attachments:

1. Site Vicinity Map
2. Site Plan
3. Sampling locations and analytical results for soil samples collected following overexcavation in 1991 and 1998.
4. Sampling locations and analytical results for grab groundwater samples collected from temporary well point locations, June and July 1991.
5. Sampling locations and analytical results for samples collected from borings (MB-1 to MB-12) in April 1996.
6. Sampling locations and analytical results for grab groundwater samples collected at the Milpitas Senior Center site, August 2000.
7. Summary of soil analytical results.
8. Cumulative groundwater monitoring results.

This document and the related CASE CLOSURE LETTER, shall be retained by the lead agency as part of the official site file.

VI. LOCAL AGENCY REPRESENTATIVE DATA

116 North Main St.

Prepared by: Rita S. Chan, P.E.	Title: Assistant Civil Engineer
Signature:	Date: 4/5/01
Approved by: James S. Crowley, P.E.	Title: Engineering Unit Manager
Signature:	Date: 4/5/01

This closure approval is based upon the available information and with the provision that the information provided to this agency was accurate and representative of site conditions.

VII. REGIONAL BOARD NOTIFICATION

Regional Board Staff Name: Chuck Headlee	Title: Engineering Geologist
RB Response: Concur, based solely upon information contained in this case closure summary.	Date Submitted to RB: 4/9/01
Signature: Chuck Headlee	Date: 4/9/01

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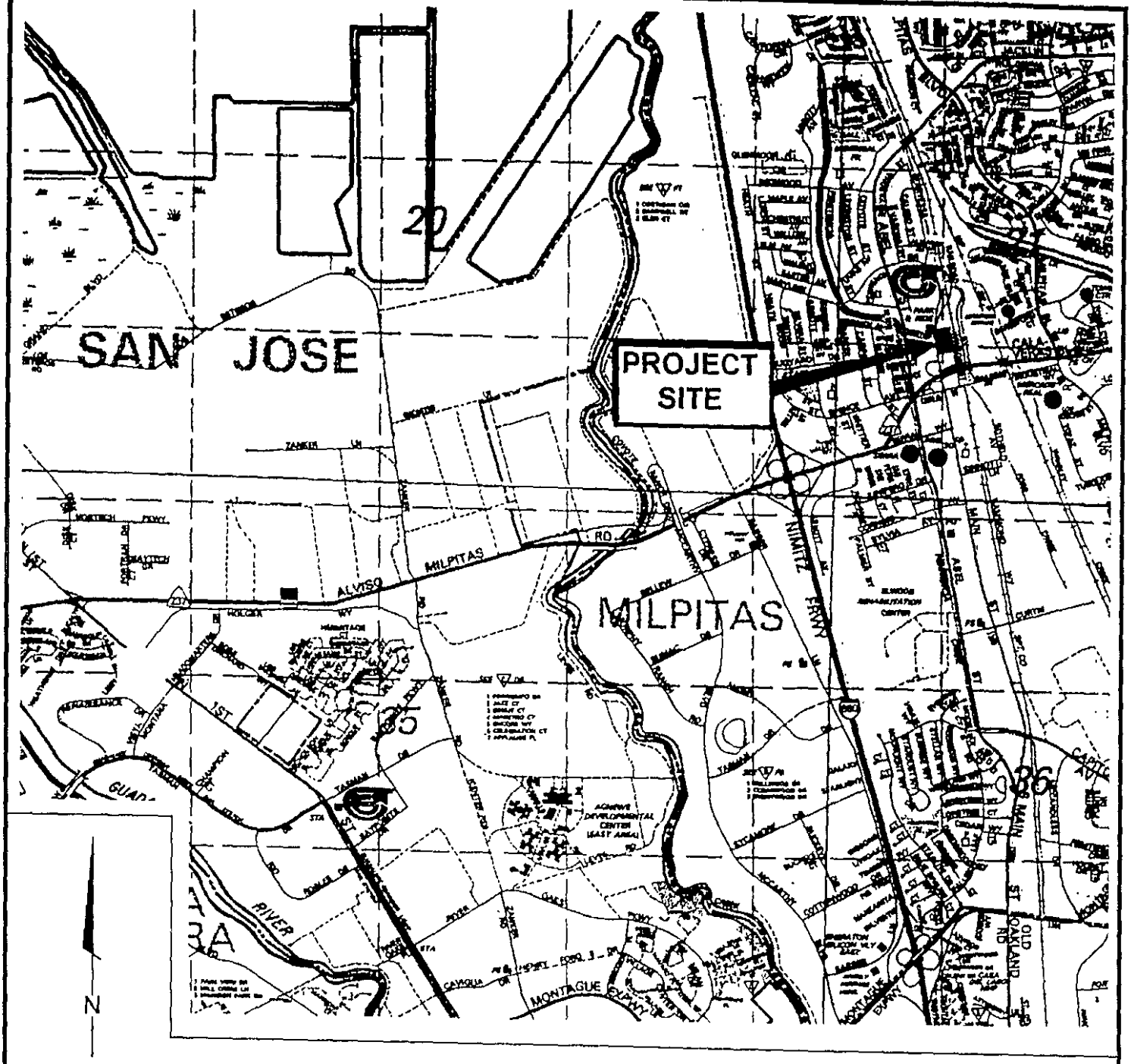
6. Sampling locations and analytical results for grab groundwater samples collected at the Milpitas Senior Center site, August 2000.
7. Summary of soil analytical results.
8. Cumulative groundwater monitoring results.

This document and the related CASE CLOSURE LETTER, shall be retained by the lead agency as part of the official site file.

Post-it® Fax Note 7671	Date	# of pages ▶
To Rita Chan	From Chuck Headlee	
Co./Dept.	Co.	
Phone #	Phone #	
Fax #	Fax #	



Ref. "The Thomas Guide- Golden Gate Street Guide and Directory" 1993 Edition

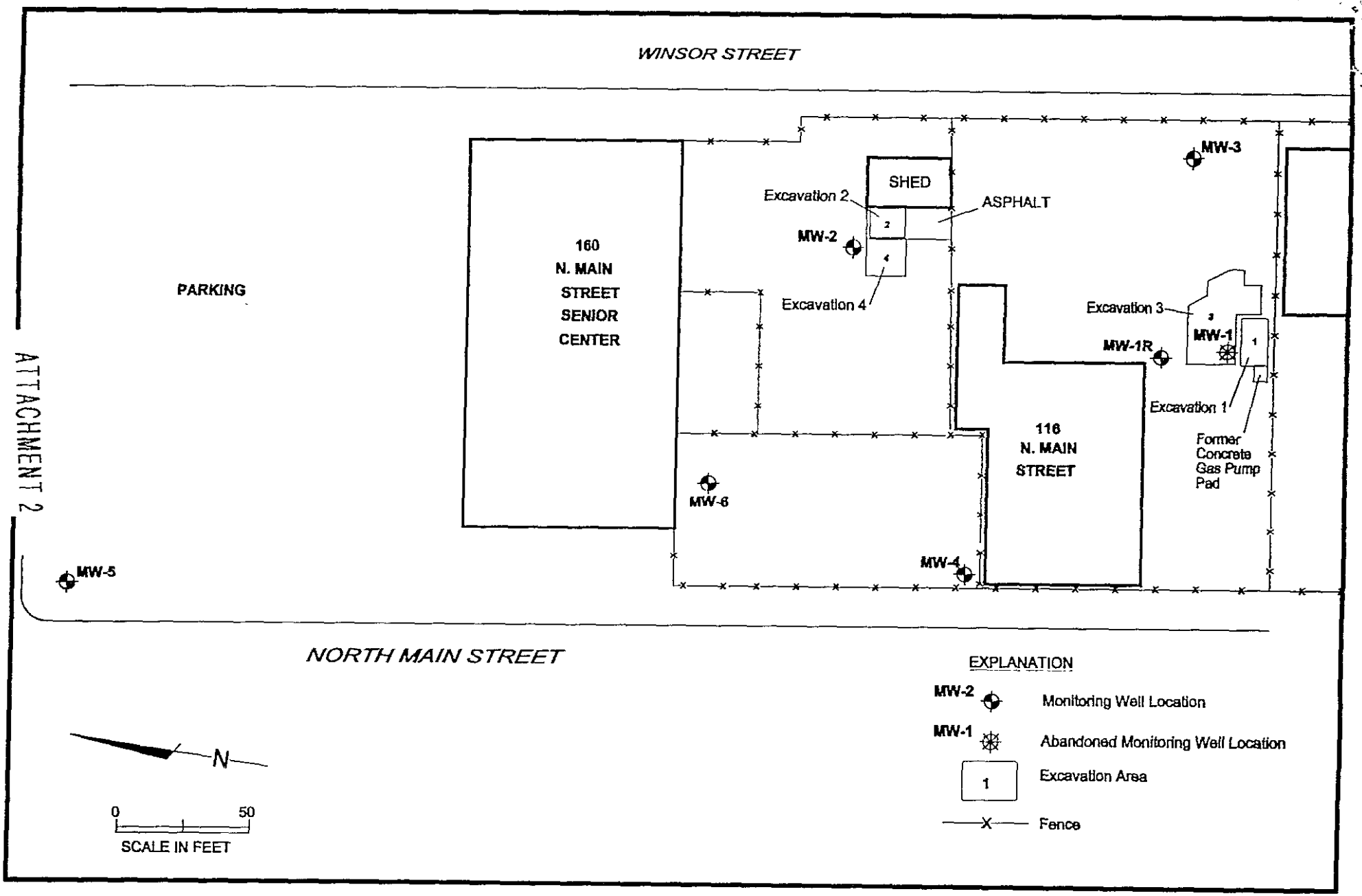
PES Environmental, Inc.
Engineering & Environmental Services

Site Location Map
City of Milpitas
160 & 116 North Main Street
Milpitas, California

PLATE 1

129-0202-008	1290202008_3Q-00	SC	01/01
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE

ATTACHMENT 1



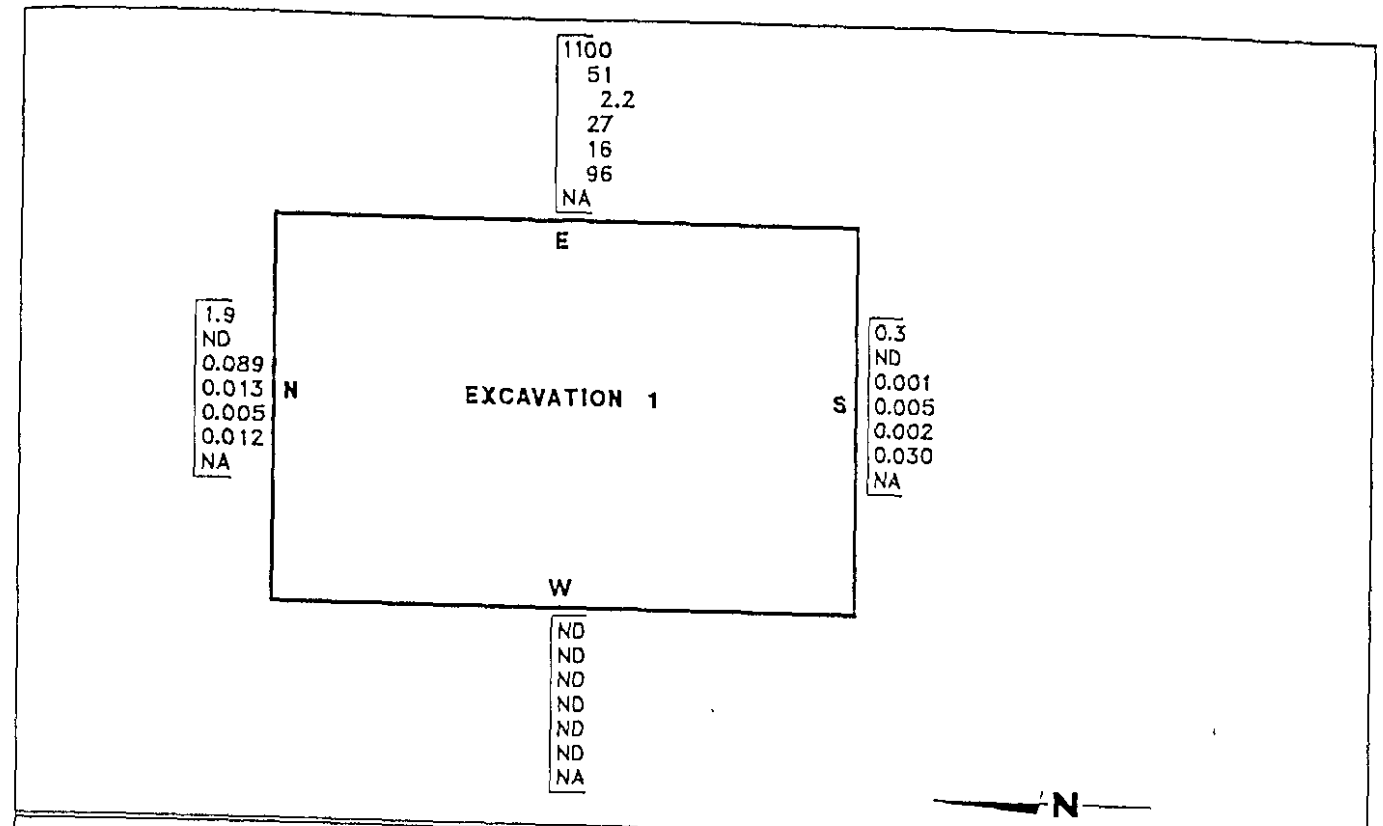
ATTACHMENT 2

PES Environmental, Inc.
Engineering & Environmental Services

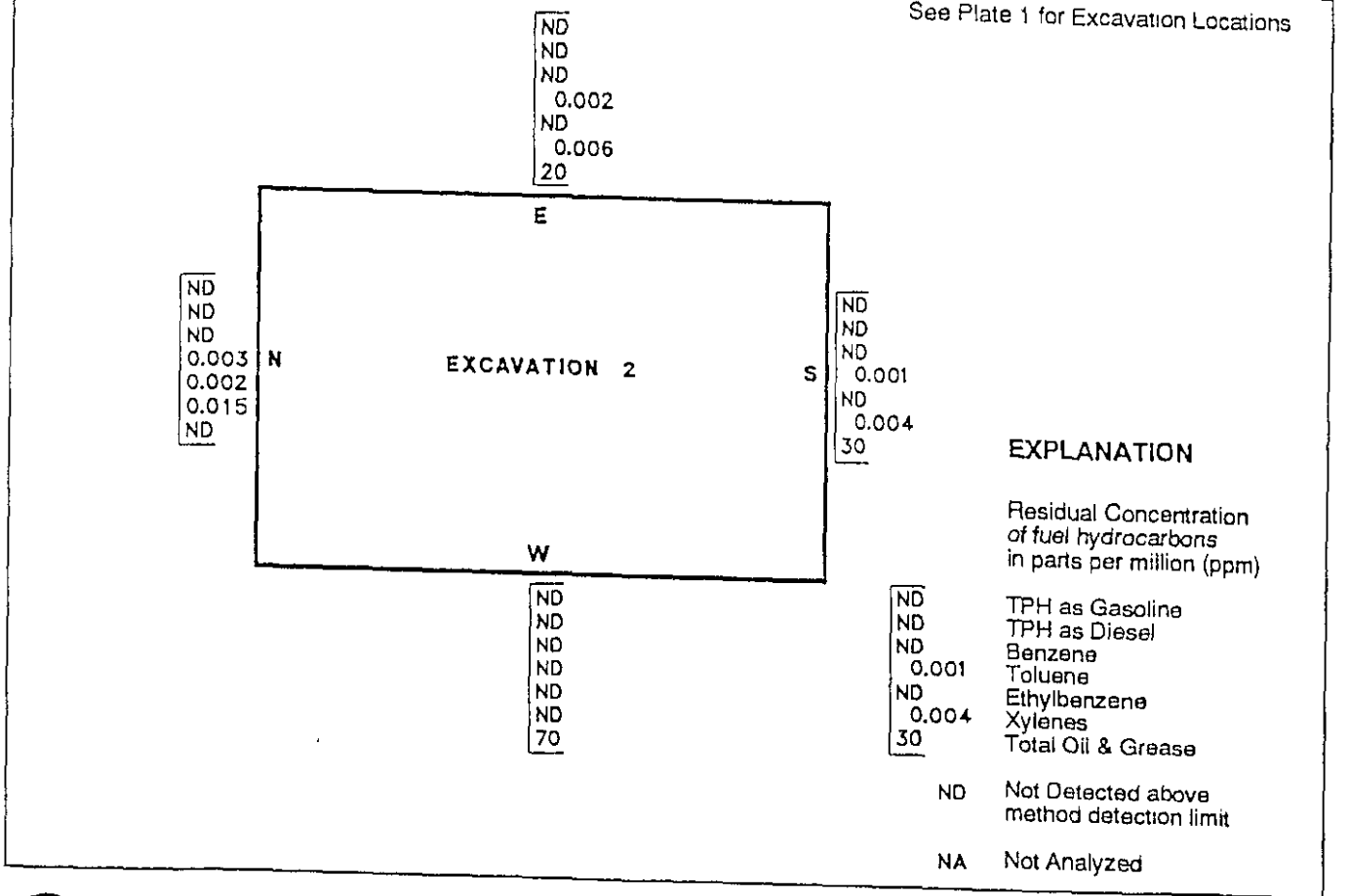
Site Plan
City of Milpitas
160 & 116 North Main Street
Milpitas, California

PLATE
2

129.0202.002	1290202007_milpitas-01	SC	01/00
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE



See Plate 1 for Excavation Locations



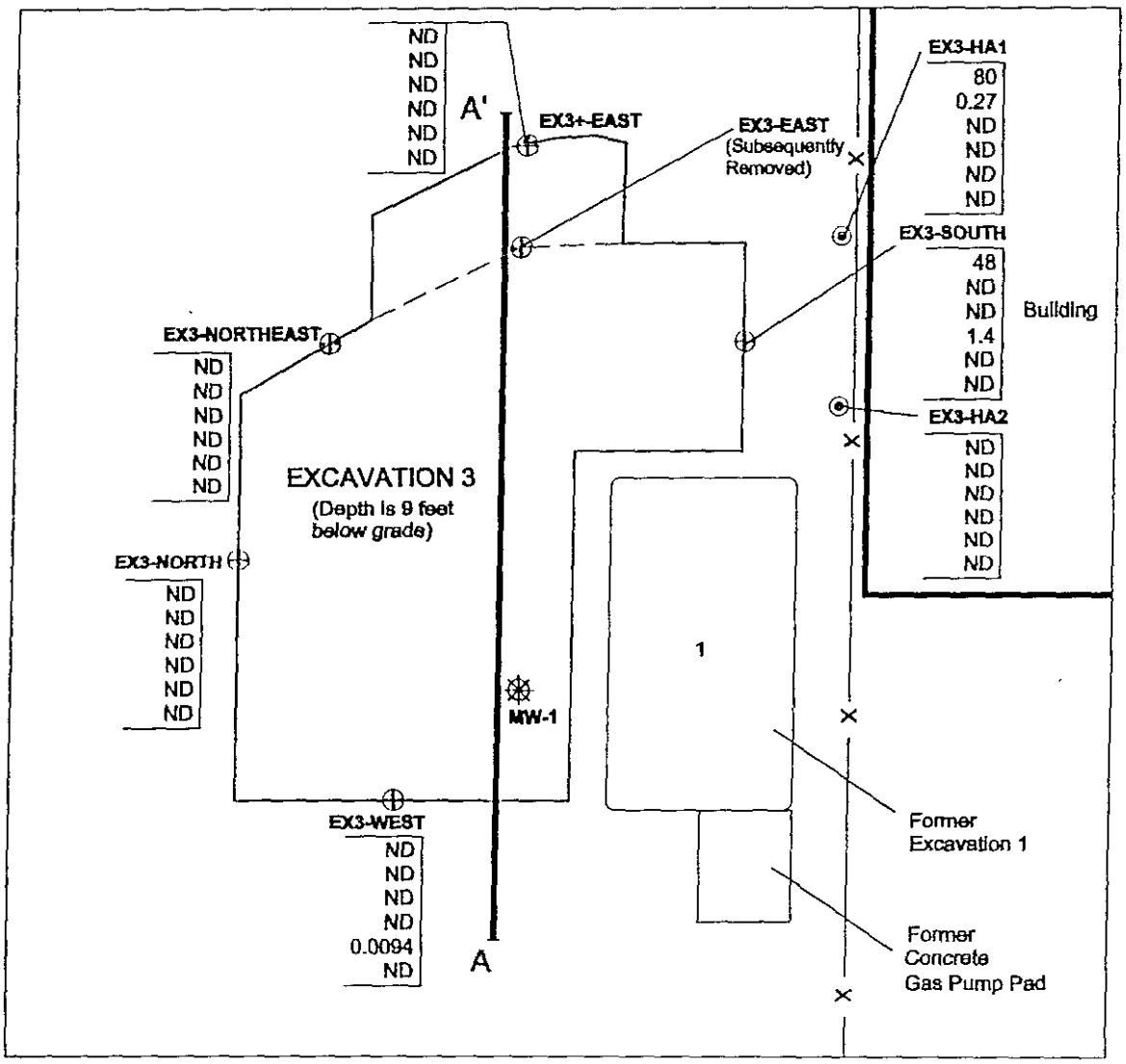
PES Environmental, Inc.
Engineering & Environmental Services

Residual Concentration of Fuel Hydrocarbons in Soil
Remedial Investigation
Milpitas, California

PLATE **3**

JOB NUMBER MI001C | REVIEWED BY | ATTACHMENT 3A | DATE 9/92 | REVISED DATE | REVISED DATE

ATTACHMENT 3B



EXPLANATION

MW-1 ⊛ Abandoned Monitoring Well Location

⊕ Confirmation Sidewall Soil Sample Location

◉ Hand Auger Soil Sample Location

—X— Fence

Concentrations of Petroleum Hydrocarbons in Soil in parts per million

8.0	TPH as Gasoline
0.27	Benzene
ND	Toluene
1.4	Ethylbenzene
0.0094	Xylenes
ND	MTBE

ND Not Detected

All samples collected at 5.0 to 5.5 feet below ground surface

N

0 10

SCALE IN FEET

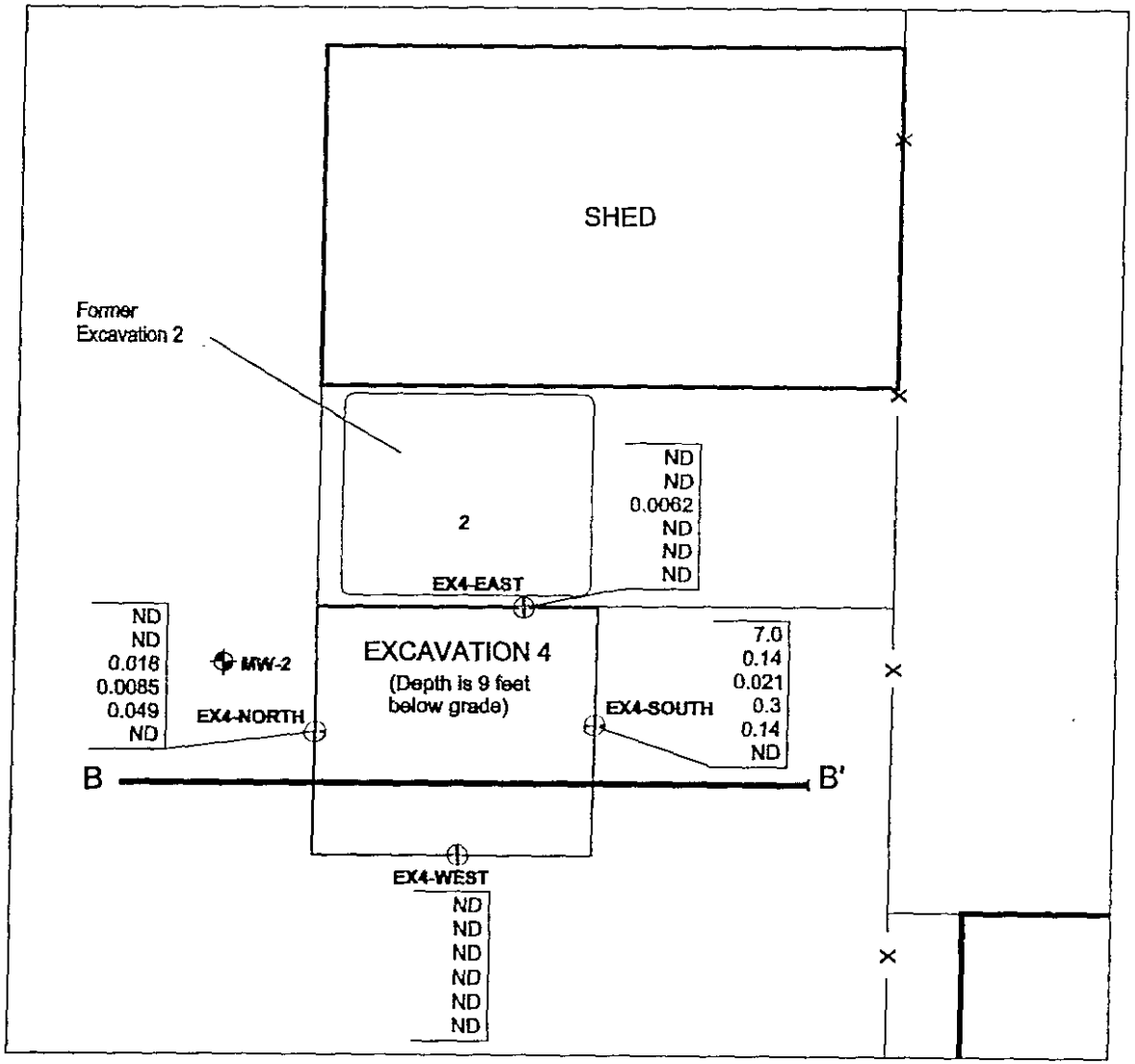
PES Environmental, Inc.
Engineering & Environmental Services

Detail for Excavation Area 3
City of Milpitas
160 & 116 North Main Street
Milpitas, California

PLATE 3

129.0202.007	1290202007_Milpitas	SC	01/00
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE

ATTACHMENT 3C



EXPLANATION

MW-2 — Monitoring Well Location

⊕ — *Confirmation Sidewall Soil Sample Location*

—X— Fence

Concentrations of Petroleum Hydrocarbons in Soil in parts per million

7.0	TPH as Gasoline
0.14	Benzene
0.021	Toluene
0.3	Ethylbenzene
0.14	Xylenes
ND	MTBE

ND *Not Detected*

All samples collected at *5.0 to 5.5 feet below* ground surface

N

0 10

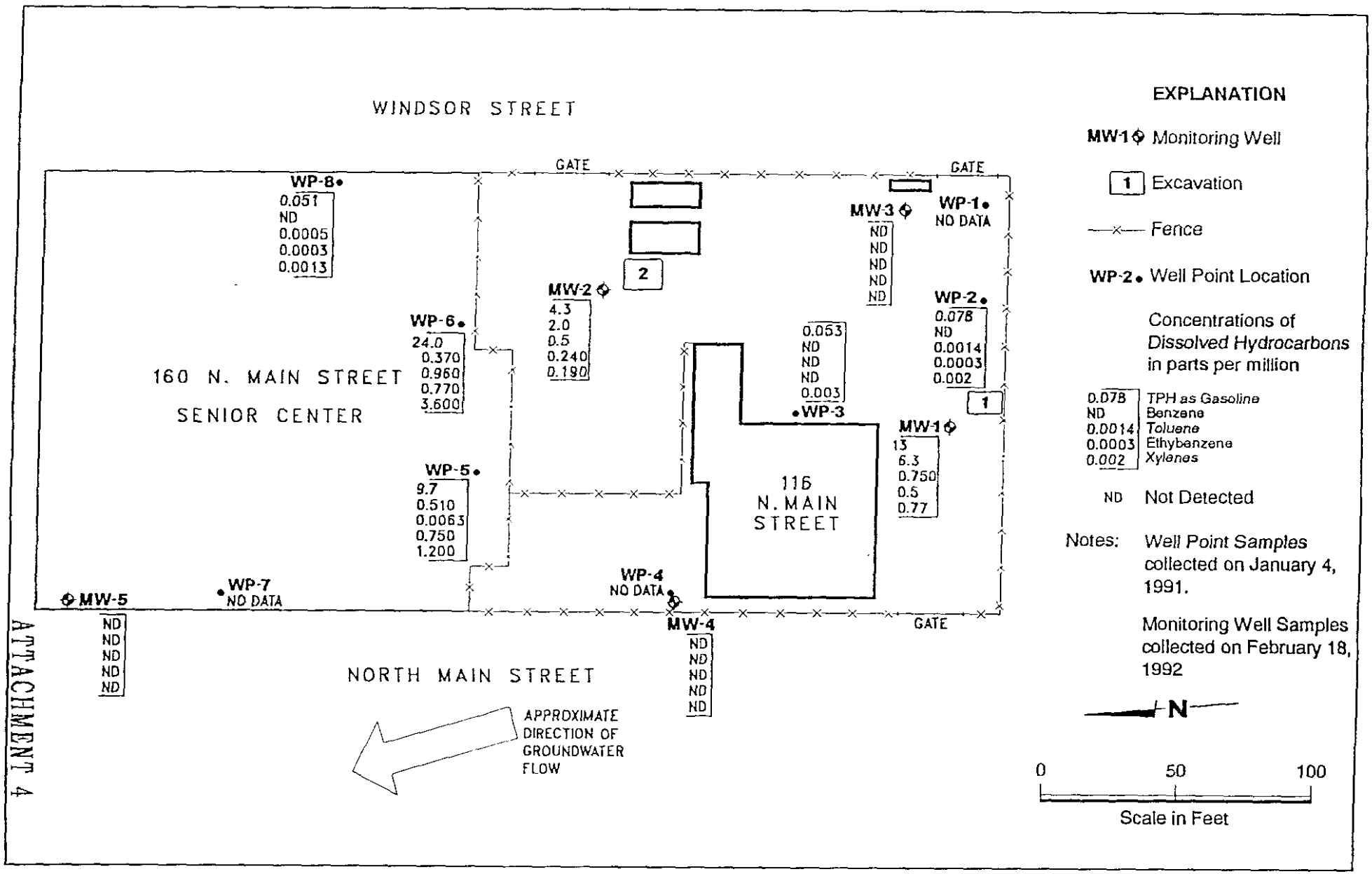
SCALE IN FEET

PES Environmental, Inc.
Engineering & Environmental Services

Detail for Excavation Area 4
City of Milpitas
160 & 116 North Main Street
Milpitas, California

PLATE
5

129.0202.007	1290202007_Milpitas	SC	01/00
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE



ATTACHMENT 4

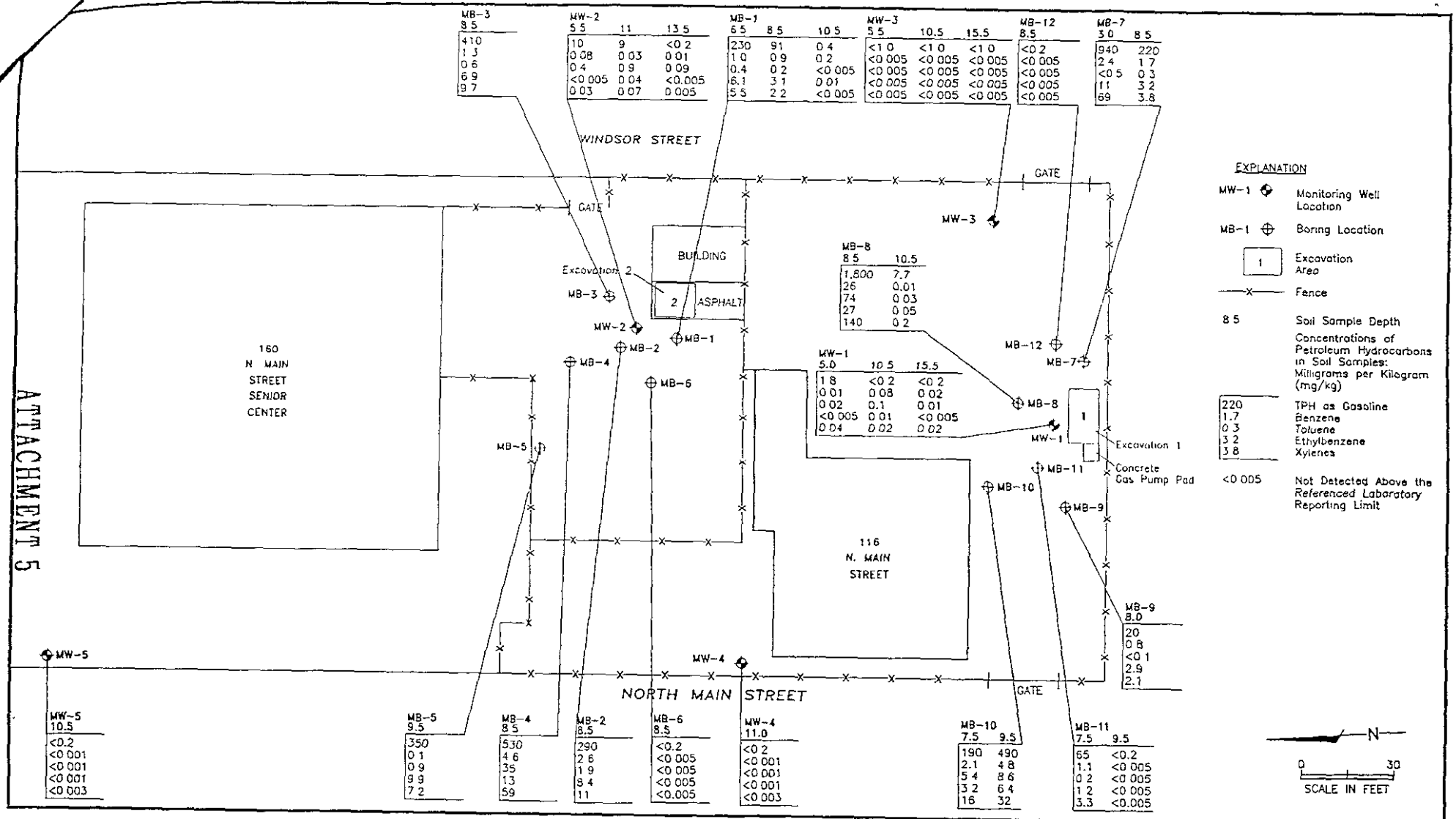
PES Environmental, Inc.
Engineering & Environmental Services

Concentrations of Dissolved Hydrocarbons
160 & 116 North Main Street
Milpitas, California

PLATE
4

JOB NUMBER	REVIEWED BY	DATE	REVISED DATE	REVISED DATE
MI001C		9/92		

ATTACHMENT 5



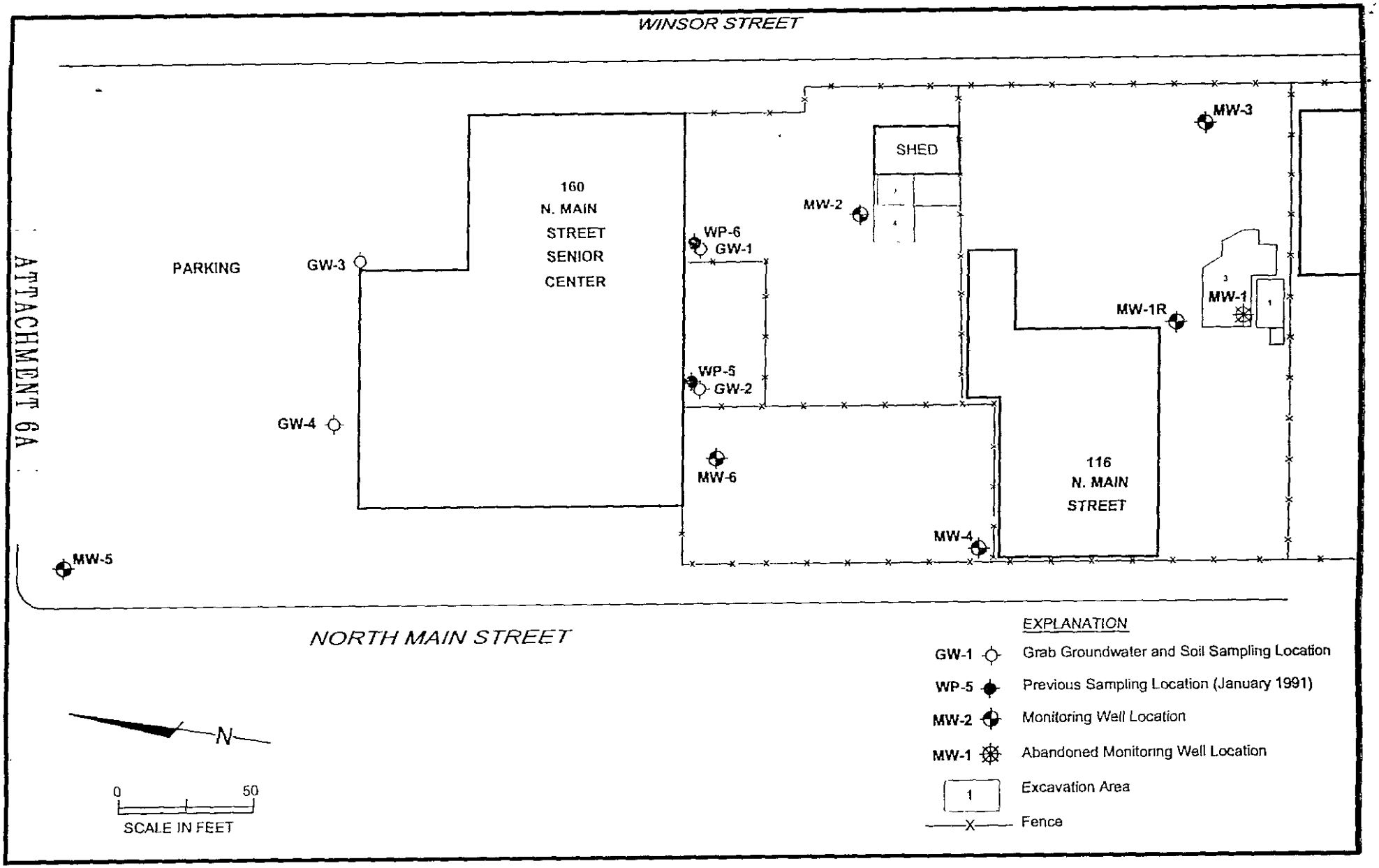
PES Environmental, Inc.
Engineering & Environmental Services

Concentrations of Petroleum Hydrocarbons in Soil Samples
City of Milpitas
160 & 116 North Main Street
Milpitas, California

PLATE 3

129.0202.001	020010-I	ncp	7/96
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE

ATTACHMENT 6A



PES Environmental, Inc.
Engineering & Environmental Services

Monitoring Well and Excavation Locations
City of Milpitas
160 & 116 North Main Street
Milpitas, California

PLATE
2

129-0202-009	1290202009_S-GW		10/00
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE

Table 1
Soil Sample Analytical Results
116 and 160 North Main Street
Milpitas, California

Sample Location	Depth (feet bgs)	TPHg mg/kg	Benzene mg/kg	Toluene mg/kg	Ethyl benzene mg/kg	Xylenes mg/kg	TBA mg/kg	MTBE mg/kg	DIPE mg/kg	ETBE mg/kg	TAME mg/kg	1,2-DCA mg/kg	EDB mg/kg
GW-1	5.5-6 0	<1.0	<0.0050	<0.0050	<0.0050	0.0058	<0.0050	<0 0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
GW-2	3.5-4 0	<1.0	<0.0050	<0 0050	<0.0050	<0.0050	<0 0050	<0 0050	<0.010	<0.0050	<0 0050	<0.0050	<0.0050
GW-3	4.0-4 5	<1.0	<0 0050	<0 0050	<0 0050	<0.0050	<0 0050	<0 0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
GW-4	7.5-8 0	<1 0	<0.0050	<0.0050	<0.0050	<0 0050	<0.0050	<0 0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050

ATTACHMENT 6B

Notes:
Soil samples collected on August 8, 2000
bgs = below ground surface
TPHg = Total Petroleum Hydrocarbons quantified as gasoline
TBA = tert-Butyl alcohol
MTBE = Methyl tert-butyl ether
DIPE = Di-isopropyl Ether
ETBE = Ethyl tert-butyl ether
TAME = tert-Amyl methyl ether
mg/kg = milligrams per kilogram
< = compound not detected at or above specified laboratory reporting limit

Table 2
Grab Groundwater Sample Analytical Results
116 and 160 North Main Street
Milpitas, California

Sample Location	TPHg µg/L	Benzene µg/L	Toluene µg/L	Ethyl benzene µg/L	Xylenes µg/L	TBA µg/L	MTBE µg/L	DIPE µg/L	ETBE µg/L	TAME µg/L	1,2-DCA µg/L	EDB µg/L
GW-1	200	13	<0 50	21	13	<5 0	<5 0	<10	<5.0	<5.0	7.0	<1.0
GW-2	<50	<0 50	<0 50	<0 50	<0.50	<5.0	<5 0	<10	<5.0	<5 0	17	<1.0
GW-3	<50	<0 50	<0 50	<0 50	<0.50	<5.0	<5.0	<10	<5.0	<5.0	<1.0	<1.0
GW-4	<50	<0.50	<0 50	<0 50	<0.50	<5.0	<5 0	<10	<5.0	<5.0	<1.0	<1.0

ATTACHMENT 6C

Notes
Grab groundwater samples collected on August 8, 2000
TPHg = Total Petroleum Hydrocarbons quantified as gasoline
TBA = tert-Butyl alcohol
MTBE = Methyl tert-butyl ether
DIPE = Di-isopropyl Ether
ETBE = Ethyl tert-butyl ether
TAME = tert-Amyl methyl ether
µg/L = micrograms per liter
< = compound not detected at or above specified laboratory reporting limit

Table A-1. Compilation of Soil Sample Analytical Results
116 and 160 North Main Street
Milpitas, California

Well/ Excavation	Date	Depth (feet bgs)	TPH Gas (ppm)	TPH Diesel (ppm)	TPH Motor Oil (ppm)	Total Oil & Grease (ppm)	Benzene (ppm)	Toluene (ppm)	Ethyl-benzene (ppm)	Total Xylenes (ppm)	MTBE (ppm)
Excavation Sidewall Samples											
Excavation 1											
1-Base	8/22/90		140	NA	NA	NA	0 74	1	1 9	12	NA
1-North	11/20/91		1 9	<5	<5	NA	0 089	0 013	0 005	0 012	NA
1-South	10/31/91		0 3	<5	<5	NA	0 001	0 005	0 002	0 03	NA
1-East	11/20/91		1100	51	10	NA	2 2	27	16	96	NA
1-West	11/20/91		<1	<5	<5	NA	<0 001	<0 001	<0 001	<0 003	NA
Excavation 2											
2-Base	8/22/90		350	14	NA	NA	5 7	79	8 8	31	NA
2-North	10/31/91		<1	<5	<5	<10	<0 001	0 003	0 002	0 015	NA
2-South	10/31/91		<1	<5	<5	30	<0 001	0 001	<0 001	0 004	NA
2-East	11/20/91		<1	<5	<5	20	<0 001	0 002	<0 001	0 006	NA
2-West	11/20/91		<1	<5	<5	70	<0 001	<0 001	<0 001	<0 003	NA
Excavation 3											
EX3-North	8/27/98	5	<1 0	NA	NA	NA	<0 005	<0 005	<0 005	<0 005	<0 005
EX3-South	8/27/98	5	48	NA	NA	NA	<1 2	<1.2	1 4	<1 2	<1 2
EX3-East[1]	8/27/98	5	340	NA	NA	NA	1 8	2 7	5 0	2 2	<0 62
EX3-West	8/27/98	5	<1 0	NA	NA	NA	<0 005	<0 005	<0.005	0 0094	<0.005
EX3-Northeast	8/27/98	5	<1 0	NA	NA	NA	<0 005	<0 005	<0 005	<0 005	<0 005
EXC3+ East	9/4/98	5	<1 0	NA	NA	NA	<0 005	<0 005	<0 005	<0 005	<0 005
HA1	11/16/99	5	80	NA	NA	NA	0 27	<0 62	<0 62	<0 62	<0 62
HA2	11/16/99	5	<1 0	NA	NA	NA	<0 005	<0 005	<0 005	<0 005	<0 005
Excavation 4											
EX4-North	8/27/98	5	<1 0	NA	NA	NA	<0 005	0 018	0 0085	0 049	<0 005
EX4-South	8/27/98	5	7 0	NA	NA	NA	0 14	0.021	0 3	0.14	<0 005
EX4-East	8/27/98	5	<1 0	NA	NA	NA	<0 005	0 0062	<0 005	<0 005	<0.005
EX4-West	8/27/98	5	<1 0	NA	NA	NA	<0 005	<0 005	<0 005	<0 005	<0.005
Boring Samples											
MW-1	12/27/90	5 0	1 8	NA	NA	NA	0 008	0 210	<0 005	0.042	NA
	12/27/90	10 5	<1 0	NA	NA	NA	0 076	0 120	0 007	0 015	NA
	12/27/90	13 5	<1 0	NA	NA	NA	0 017	0 014	<0 005	0 020	NA

ATTACHMENT 7A

ATTACHMENT 7B

Table A-1. Compilation of Soil Sample Analytical Results
116 and 160 North Main Street
Milpitas, California

Well/ Excavation	Date	Depth (feet bgs)	TPH Gas (ppm)	TPH Diesel (ppm)	TPH Motor Oil (ppm)	Total Oil & Grease (ppm)	Benzene (ppm)	Toluene (ppm)	Ethyl-benzene (ppm)	Total Xylenes (ppm)	MTBE (ppm)
MW-2	12/27/90	5 5	10 0	<1 0	<5 0	NA	0 084	0 380	<0 005	0 030	NA
	12/27/90	11 0	9 0	<1 0	5 6	NA	0 260	0 890	0 042	0 074	NA
	12/27/90	13 5	<1 0	<1 0	<5 0	NA	0 011	0 089	<0 005	0 005	NA
MW-3	12/27/90	5 5	<1 0	NA	NA	NA	<0 005	0.110	<0 005	0 003	NA
	12/27/90	10 5	<1 0	NA	NA	NA	<0 005	0 025	<0 005	<0 005	NA
	12/27/90	15 5	<1 0	NA	NA	NA	<0 005	0 023	<0 005	<0 005	NA
MW-4	2/10/92	11 0	<0 2	NA	NA	NA	<0 001	<0 001	<0 001	<0 003	NA
MW-5	2/10/92	10 5	<0 2	NA	NA	NA	<0 001	<0 001	<0 001	<0 003	NA
MB-1-6.5	4/25/96	6 5	230	NA	NA	NA	1 0	0 43	6 1	5 5	NA
MB-1-8.5	4/25/96	8 5	91	NA	NA	NA	0 87	0 18	3 1	2.2	NA
MB-1-10.5	4/25/96	10 5	0 4	NA	NA	NA	0 016	ND<0 005	0 008	ND<0 005	NA
MB-2-8.5	4/25/96	8 5	290	NA	NA	NA	2 6	1 9	8 4	11	NA
MB-3-8.5	4/25/96	8 5	410	NA	NA	NA	1 3	0 55	6 9	9 7	NA
MB-4-8.5	4/25/96	8 5	530	NA	NA	NA	4 6	35	13	59	NA
MB-5-9.5	4/25/96	9 5	350	NA	NA	NA	0 083	0 9	9 9	7 2	NA
MB-6-8.5	4/25/96	8 5	ND<0 2	NA	NA	NA	ND<0 005	ND<0 005	ND<0 005	ND<0.005	NA
MB-7-3.0	4/25/96	3 0	940	NA	NA	NA	2 4	ND<0 5	11	69	NA
	4/25/96	8 5	220	NA	NA	NA	1 7	0 27	3 2	3 8	NA
MB-8-8.5	4/25/96	8 5	1,800	NA	NA	NA	26	74	27	140	NA
	4/25/96	10 5	7 7	NA	NA	NA	0 006	0 033	0 051	0 2	NA
MB-9-8.5	4/25/96	8 5	20	NA	NA	NA	0 83	ND<0 1	2 9	2 1	NA
MB-10-7.5	4/25/96	7 5	190	NA	NA	NA	2 1	5 4	3 2	16	NA
	4/25/96	9 5	490	NA	NA	NA	4 8	8 6	6 4	32	NA

Table A-1. Compilation of Soil Sample Analytical Results
116 and 160 North Main Street
Milpitas, California

Well/ Excavation	Date	Depth (feet bgs)	TPH Gas (ppm)	TPH Diesel (ppm)	TPH Motor Oil (ppm)	Total Oil & Grease (ppm)	Benzene (ppm)	Toluene (ppm)	Ethyl-benzene (ppm)	Total Xylenes (ppm)	MTBE (ppm)
MB-11-7.5	4/25/96	7 5	65	NA	NA	NA	1 1	0 17	1 2	3 3	NA
	4/25/96	10 5	ND<0 2	NA	NA	NA	ND<0 005	ND<0 005	ND<0 005	ND<0 005	NA
MB-12-8.0	4/25/96	8 0	ND<0 2	NA	NA	NA	ND<0 005	ND<0 005	ND<0 005	ND<0 005	NA

Notes

TPH Gasoline - Total petroleum hydrocarbons as gasoline
TPH Diesel - Total petroleum hydrocarbons as diesel
TPH Motor Oil - Total petroleum hydrocarbons as motor oil
MTBE = Methyl Tertiary Butyl Ether

ppm - parts per million
NA - Not analyzed
<0 050 - Not detected at specified detection limit
(1) Area subsequently removed and resampled - see sample EX

ATTACHMENT 7C

Table 2. Groundwater Sample Analytical Results
116 & 160 North Main Street
Milpitas, California

Well	Date	TPH Gasoline (mg/L)	TPH Diesel (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethyl-benzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	DIPE (mg/L)	TBA (mg/L)	ETBE (mg/L)	TAME (mg/L)	DO (mg/L)
MW-1*	1/4/91	1 1	NA	0 32	0 051	0 027	0 095	NA	NA	NA	NA	NA	NA
	2/18/92	13 0	NA	6 3	0 75	0 5	0 77	NA	NA	NA	NA	NA	NA
	9/24/93	11 0	NA	4 7	0 018	0 52	0 16	NA	NA	NA	NA	NA	NA
	12/22/93	6 8	NA	3 2	0 063	0 22	0 28	NA	NA	NA	NA	NA	NA
	3/10/94	16 0	NA	5 1	0 44	0 6	0 76	NA	NA	NA	NA	NA	NA
	6/27/94	11 0	NA	4 7	0 13	0 45	0 52	NA	NA	NA	NA	NA	NA
	9/16/94	4 1	NA	2 08	0 035	0 196	0 142	NA	NA	NA	NA	NA	NA
	12/22/94	2 29	NA	1 06	0 017	0 109	0 057	NA	NA	NA	NA	NA	NA
	3/17/95	10 11	NA	4 1	0 333	0 782	0 802	NA	NA	NA	NA	NA	NA
	6/26/95	11 8	NA	5 39	0 04	0 043	0 392	NA	NA	NA	NA	NA	NA
	9/11/95	4 557	NA	1 751	0 021	0 122	0 076	NA	NA	NA	NA	NA	NA
	12/5/95	0 937	NA	0 296	0 022	0 023	0 01	NA	NA	NA	NA	NA	NA
	3/22/96	20 37	NA	7 132	0 279	0 93	0 772	NA	NA	NA	NA	NA	NA
	6/24/96	9 5	NA	4 2	0 0055	0 29	0 18	NA	NA	NA	NA	NA	NA
	9/26/96	4 2	NA	1 9	0 007	0 11	0 03	NA	NA	NA	NA	NA	NA
	12/10/96	13 0	NA	7 4	0 35	0 81	1 1	NA	NA	NA	NA	NA	NA
	5/23/97	16 0	NA	6 8	0 052	0 45	0 26	<0 300	NA	NA	NA	NA	NA
MW-1R**	12/23/98	14 0	NA	2 50	0 25	0 48	0 81	<0 050	NA	NA	NA	NA	2 1
	6/14/99	0 261	NA	0 0151	0 00106	0 00362	0 0101	0 0182	NA	NA	NA	NA	8 1
	9/27/99	0 482	NA	0 0936	0 00297	0 0205	0 0242	0 0269	NA	NA	NA	NA	7 6
	12/22/99	0 277	NA	0 0346	0 00111	0 00752	0 00914	0 0132	NA	NA	NA	NA	11.46
	3/27/00	0 421	NA	0 0766	0 00219	0 0116	0 0175	0 0142	NA	NA	NA	NA	8 35
	6/28/00	0 417	NA	0 0617	0 00455	0 00976	0 0273	0 0138	NA	NA	NA	NA	3 4
	9/27/00	**0.480**	**NA**	**0.0726**	**0.00330**	**0.01340**	**0.0310**	**0.0164**	**<0.002**	**<0.100**	**<0.002**	**<0.002**	**14.3**
MW-2	1/4/91	6 4	<0 05	0 4	0 62	0 23	0 5	NA	NA	NA	NA	NA	NA
	2/18/92	4 3	NA	2 0	0 5	0 24	0 19	NA	NA	NA	NA	NA	NA
	9/24/93	0 32	NA	0 12	0 025	0 013	0 012	NA	NA	NA	NA	NA	NA
	12/22/93	5 6	NA	1 2	0 46	0 17	0 23	NA	NA	NA	NA	NA	NA
	3/10/94	11 0	NA	2 1	0 95	0 38	0 38	NA	NA	NA	NA	NA	NA
	6/27/94	10 0	NA	1 6	0 56	0 43	0 43	NA	NA	NA	NA	NA	NA
	9/16/94	8 36	NA	1 76	0 422	0 458	0 346	NA	NA	NA	NA	NA	NA
	12/22/94	5 53	NA	1 07	0 554	0 296	0 334	NA	NA	NA	NA	NA	NA
	3/17/95	3 4	NA	1 28	0 15	0 193	0 075	NA	NA	NA	NA	NA	NA
	6/26/95	1 64	NA	0 47	0 025	0 092	0 017	NA	NA	NA	NA	NA	NA
	9/11/95	1 01	NA	0 29	0 018	0 052	0 016	NA	NA	NA	NA	NA	NA
	12/5/95	3 77	NA	1 4	0 011	0 077	0 04	NA	NA	NA	NA	NA	NA
	3/22/96	5 361	NA	1 29	0 373	0 163	0 234	NA	NA	NA	NA	NA	NA
	6/24/96	2 1	NA	0 47	0 0062	0 068	0 025	NA	NA	NA	NA	NA	NA

ATTACHMENT 8A

Table 2. Groundwater Sample Analytical Results
116 & 160 North Main Street
Milpitas, California

Well	Date	TPH Gasoline (mg/L)	TPH Diesel (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethyl-benzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	DIPE (mg/L)	TBA (mg/L)	ETBE (mg/L)	TAME (mg/L)	DO (mg/L)
	9/26/96	1 4	NA	0 34	0 084	0 04	0 057	NA	NA	NA	NA	NA	NA
	12/10/96	5 7	NA	1 8	1 2	0 38	0 74	NA	NA	NA	NA	NA	NA
	5/23/97	3 8	NA	1 400	0 170	0 110	0 092	<0 050	NA	NA	NA	NA	2 9
	5/29/98	11 0	NA	2 300	0 460	0 140	0 150	<0 050	NA	NA	NA	NA	2 5
	12/23/98	2 9	NA	0 540	0 047	0 095	0 160	<0 0025	NA	NA	NA	NA	2 5
	6/16/99	3 75	NA	1 510	0 0945	0 0575	0 0635	<0 0025	NA	NA	NA	NA	2 5
	9/27/99	1 04	NA	0 247	0 0558	0 0428	0 0429	<0 0025	NA	NA	NA	NA	2 2
	12/22/99	3 090	NA	0 335	0 196	0 0933	0 0946	<0 050	NA	NA	NA	NA	5.26
	3/27/00	3 390	NA	0 874	0 342	0 109	0 165	0 00313	NA	NA	NA	NA	5 71
	6/28/00	3 680	NA	0 410	0 172	0 0878	0 126	<0 0025	NA	NA	NA	NA	3 1
	9/27/00	**5.760**	**NA**	**0.329**	**0.542**	**0.149**	**0.288**	**0.0020**	**<0.002**	**<0.100**	**<0.002**	**<0.002**	**4.9**
MW-3	1/4/91	0 07	NA	0 003	0 004	0 001	0 003	NA	NA	NA	NA	NA	NA
	2/18/92	<0 05	NA	<0 0003	<0 0003	<0 0003	<0 001	NA	NA	NA	NA	NA	NA
	9/24/93	<0 05	NA	<0 0003	<0 0003	<0 0003	<0 0009	NA	NA	NA	NA	NA	NA
	12/22/93	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	NA	NA	NA	NA	NA	NA
	3/10/94	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	NA	NA	NA	NA	NA	NA
	6/27/94	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	NA	NA	NA	NA	NA	NA
	9/16/94	<0 05	NA	<0 0003	<0 0003	<0 0003	<0 0006	NA	NA	NA	NA	NA	NA
	12/22/94	<0 05	NA	<0 0003	<0 0003	<0 0003	<0 0006	NA	NA	NA	NA	NA	NA
	3/17/95	<0 05	NA	0 005	<0 0003	<0 0003	<0 0006	NA	NA	NA	NA	NA	NA
	6/26/95	<0 05	NA	<0 0003	<0 0003	<0 0003	<0 0006	NA	NA	NA	NA	NA	NA
	9/11/95	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	NA	NA	NA	NA	NA	NA
	12/5/95	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	NA	NA	NA	NA	NA	NA
	3/22/96	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	NA	NA	NA	NA	NA	NA
	6/24/96	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	NA	NA	NA	NA	NA	NA
	9/26/96	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	NA	NA	NA	NA	NA	NA
	12/10/96	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA
	5/23/97	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 002	<0 005	NA	NA	NA	NA	NA
	5/29/98	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	NA	NA	NA	NA	2 8
	12/23/98	0 1	NA	0 00075	0 0015	0 00057	<0 0005	<0 0025	NA	NA	NA	NA	2 8
	6/14/99	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 0025	NA	NA	NA	NA	2 1
	9/27/99	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 0025	NA	NA	NA	NA	2 2
	12/22/99	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 005	NA	NA	NA	NA	2 0
	3/27/00	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 0025	NA	NA	NA	NA	3 98
	6/28/00	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 0025	NA	NA	NA	NA	2 41
	9/27/00	**<0.05**	**NA**	**<0.002**	**<0.002**	**<0.002**	**<0.002**	**<0.002**	**<0.002**	**<0.100**	**<0.002**	**<0.002**	**2.5**

ATTACHMENT 8B

Table 2. Groundwater Sample Analytical Results
116 & 160 North Main Street
Milpitas, California

Well	Date	TPH Gasoline (mg/L)	TPH Diesel (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethyl-benzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	DIPE (mg/L)	TBA (mg/L)	ETBE (mg/L)	TAME (mg/L)	DO (mg/L)
MW-4	2/18/92	<0 05	NA	<0 0003	<0.0003	<0.0003	<0.001	NA	NA	NA	NA	NA	NA
	9/24/93	<0.05	NA	<0 0003	<0 0003	<0 0003	<0 0009	NA	NA	NA	NA	NA	NA
	12/22/93	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	NA	NA	NA	NA	NA	NA
	3/10/94	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	NA	NA	NA	NA	NA	NA
	6/27/94	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	NA	NA	NA	NA	NA	NA
	9/16/94	<0 05	NA	<0 0003	<0 0003	<0 0003	<0 0006	NA	NA	NA	NA	NA	NA
	12/22/94	<0 05	NA	<0 0003	0 0008	<0 0003	0 0013	NA	NA	NA	NA	NA	NA
	3/17/95	<0 05	NA	<0 0003	<0 0003	<0 0003	<0 0006	NA	NA	NA	NA	NA	NA
	6/26/95	<0 05	NA	<0 0003	<0 0003	<0 0003	<0 0006	NA	NA	NA	NA	NA	NA
	9/11/95	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	NA	NA	NA	NA	NA	NA
	12/5/95	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	NA	NA	NA	NA	NA	NA
	3/22/96	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	NA	NA	NA	NA	NA	NA
	6/24/96	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	NA	NA	NA	NA	NA	NA
	9/26/96	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	NA	NA	NA	NA	NA	NA
	12/10/96	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	NA	NA	NA	NA	NA	NA
	5/23/97	0 1	NA	<0 0005	<0 0005	<0 0005	<0 002	<0 005	NA	NA	NA	NA	3 1
	5/29/98	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	NA	NA	NA	NA	2 0
	12/23/98	<0 05	NA	<0 0005	0 0014	<0 0005	<0 0005	<0 0025	NA	NA	NA	NA	2.6
	6/14/99	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 0025	NA	NA	NA	NA	1.9
	9/27/99	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 0025	NA	NA	NA	NA	2 0
	12/22/99	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 005	NA	NA	NA	NA	5 67
	3/27/00	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 0025	NA	NA	NA	NA	5.79
	6/28/00	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 0025	NA	NA	NA	NA	0.4
	9/27/00	**<0.05**	**NA**	**<0.002**	**<0.002**	**<0.002**	**<0.002**	**<0.002**	**<0.002**	**<0.100**	**<0.002**	**<0.002**	**2.5**
MW-5	2/18/92	<0 05	NA	<0 0003	<0 0003	<0 0003	<0 001	NA	NA	NA	NA	NA	NA
	9/24/93	<0 05	NA	<0 0003	<0 0003	<0 0003	<0 0009	NA	NA	NA	NA	NA	NA
	12/22/93	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	NA	NA	NA	NA	NA	NA
	3/10/94	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	NA	NA	NA	NA	NA	NA
	6/27/94	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	NA	NA	NA	NA	NA	NA
	9/16/94	<0 05	NA	<0 0003	<0 0003	<0 0003	<0 0006	NA	NA	NA	NA	NA	NA
	12/22/94	<0 05	NA	<0 0003	<0 0003	<0 0003	<0 0006	NA	NA	NA	NA	NA	NA
	3/17/95	<0 05	NA	<0 0003	<0 0003	<0 0003	<0 0006	NA	NA	NA	NA	NA	NA
	6/26/95	<0 05	NA	<0 0003	<0 0003	<0 0003	<0 0006	NA	NA	NA	NA	NA	NA
	9/11/95	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	NA	NA	NA	NA	NA	NA
	12/5/95	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	NA	NA	NA	NA	NA	NA
	3/22/96	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	NA	NA	NA	NA	NA	NA
	6/24/96	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	NA	NA	NA	NA	NA	NA
	9/26/96	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	NA	NA	NA	NA	NA	NA
	12/10/96	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	NA	NA	NA	NA	NA	NA

ATTACHMENT 8C

Table 2. *Groundwater Sample Analytical Results*
116 & 160 North Main Street
Milpitas, California

Well	Date	TPH Gasoline (mg/L)	TPH Diesel (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethyl-benzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	DIPE (mg/L)	TBA (mg/L)	ETBE (mg/L)	TAME (mg/L)	DO (mg/L)
	5/23/97	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 002	<0 005	NA	NA	NA	NA	2.3
	5/29/98	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	NA	NA	NA	NA	2.2
	12/23/98	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 0025	NA	NA	NA	NA	2 1
	6/14/99	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 0025	NA	NA	NA	NA	1 8
	9/27/99	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 0025	NA	NA	NA	NA	1.6
	12/22/99	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 005	NA	NA	NA	NA	5.18
	3/27/00	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 0025	NA	NA	NA	NA	1 97
	6/28/00	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 0025	NA	NA	NA	NA	0 3
	9/27/00	**<0.05**	**NA**	**<0.002**	**<0.002**	**<0.002**	**<0.002**	**<0.002**	**<0.002**	**<0.100**	**<0.002**	**<0.002**	**2.3**
MW-6	4/22/97	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 002	<0 005	NA	NA	NA	NA	NA
	5/23/97	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 002	<0 005	NA	NA	NA	NA	2 4
	5/29/98	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	NA	NA	NA	NA	2.2
	12/23/98	<0 05	NA	<0 0005	0 0007	0 00074	0 0036	<0 0025	NA	NA	NA	NA	2 0
	6/14/99	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 0025	NA	NA	NA	NA	1 7
	9/27/99	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 0025	NA	NA	NA	NA	1 8
	12/22/99	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 005	NA	NA	NA	NA	3 44
	3/27/00	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 0025	NA	NA	NA	NA	2 03
	6/28/00	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 0025	NA	NA	NA	NA	0 4
	9/27/00	**<0.05**	**NA**	**<0.002**	**<0.002**	**<0.002**	**<0.002**	**<0.002**	**<0.002**	**<0.100**	**<0.002**	**<0.002**	**2.7**

Notes

TPH Gasoline = Total petroleum hydrocarbons quantified as gasoline
TPH Diesel = Total petroleum hydrocarbons quantified as diesel
MTBE = Methyl tertiary butyl ether
DIPE = Di-isopropyl Ether
TBA = Tert-butyl Alcohol
ETBE = Ethyl tert-butyl Ether
TAME = Tert-amyl Methyl Ether
DO = Dissolved oxygen (post-purge measurement)
NA = Not analyzed
NS = Not sampled (Well Inaccessible)
<0 050 = Not detected at or above respective laboratory reporting limit
* = Well MW-1 was abandoned on April 17 1998
mg/L = milligrams per liter
** = Well MW-1R was installed on October 29 1998

ATTACHMENT 8D

Santa Clara Valley Water District

5750 ALMADEN EXPWY
SAN JOSE, CA 95118-3614
TELEPHONE (408) 265-2600
FACSIMILE (408) 266-0271
www.scvwd.dst ca.us
AN EQUAL OPPORTUNITY EMPLOYER

November 8, 2001

Mr. Joe Ezeokeke
City of Milpitas
1265 North Milpitas Boulevard
Milpitas, CA 95035

Dear Mr. Ezeokeke:

Subject: Fuel Leak Site Case Closure - Milpitas Senior Center, 160 North Main Street, Milpitas, CA; Case No. 11-031; SCVWDID # 06S1E06P02f.

This letter confirms the completion of a site investigation and remedial action for the underground storage tank(s) formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tank(s) are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your underground storage tank(s) site is in compliance with the requirements of subdivisions (a) and (b) of Section 25299.37 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.77 of the Health and Safety Code and that no further action related to the petroleum release(s) at the site is required.

This notice is issued pursuant to subdivision (h) of Section 25299.37 of the Health and Safety Code.

Please contact our office if you have any questions regarding this matter.

Sincerely,

James S. Crowley, P.E.
Engineering Unit Manager
Leaking Underground Storage Tank Oversight Program

File: 8074 - Haz Mat II
8074.1 - Environmental - Site clean

Santa Clara Valley
Water District

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AN EQUAL OPPORTUNITY EMPLOYER

November 8, 2001

Mr. Joe Ezeokeke
City of Milpitas
1265 North Milpitas Boulevard
Milpitas, CA 95035

Dear Mr. Ezeokeke:

Subject: Fuel Leak Site Case Closure - Milpitas Senior Center, 160 North Main Street, Milpitas, CA; Case No. 11-031; SCVWDID # 06S1E06P02f.

This letter transmits the enclosed underground storage tank (UST) case closure letter in accordance with Chapter 6.75 (Article 4, Section 25299.37[h]). The State Water Resources Control Board adopted this letter on February 20, 1997. As of March 1, 1997, the Santa Clara Valley Water District is required to use this case closure letter for all UST leak sites. We are also transmitting to you the enclosed case closure summary. These documents confirm the completion of the investigation and cleanup of the reported release at the subject site. The subject fuel leak case is closed.

SITE INVESTIGATION AND CLEANUP SUMMARY

Please be advised that the following conditions exist at the site:

- Residual petroleum hydrocarbon contamination exists at the site. Since the residual contamination could be exposed during site development activities, grading, or excavation, any such disturbance of the contamination shall be assessed and appropriate action taken so that there is no significant impact to human health, safety, or the environment.

If you have any questions, please call Rita S. Chan at (408) 265-2607, extension 2643. Thank you.

Sincerely,

James S. Crowley, P.E.
Engineering Unit Manager
Leaking Underground Storage Tank Oversight Program

Enclosures:
1. Case Closure Letter
2. Case Closure Summary

File: 8074 - Haz. Mat. II
8074.1 - Environmental - Closure

cc: Mr. Chuck Headlee (w/enc)
Regional Water Quality Control Board
San Francisco Bay Region
1515 Clay Street, Suite 1400
Oakland, CA 94612

Ms. Carla Lawson
Division of Clean Water Programs
Underground Storage Tank Cleanup Fund
State Water Resources Control Board
P.O. Box 944212
Sacramento, CA 94244-2120

(R. Chan) (w/orig enc), Database (w/enc)

Fire Prevention Bureau
Milpitas Fire Department
455 East Calaveras Boulevard
Milpitas, CA 95035

Santa Clara Valley Water District

CASE CLOSURE SUMMARY
LEAKING UNDERGROUND FUEL STORAGE TANK PROGRAM

I. AGENCY INFORMATION

Date: October 11, 2001

Agency Name: Santa Clara Valley Water District	Address: 5750 Almaden Expressway
City/State/Zip: San Jose, CA 95118	Phone: (408) 265-2600
Responsible Staff Person: Rita S. Chan, P.E.	Title: Assistant Civil Engineer

II. CASE INFORMATION

Site Facility Name: Milpitas Senior Center		
Site Facility Address: 160 North Main Street, Milpitas, CA 95035		
RB LUSTIS Case No.: —	Local Case No.: 06S1E06P02f	LOP Case No.: 11-031
URF Filing Date: —	SWEEPS No.: —	APN: 028-24-019

Responsible Parties	Addresses	Phone Number
Mr. Joe Ezeokeke City of Milpitas	1265 North Milpitas Boulevard Milpitas, CA 95035	(408) 586-3316

Tank I.D. No	Size in Gallons	Contents	Closed In Place/Removed?	Date
—	550	Waste oil	Removed	08/90
Piping			—	—

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: Holes were observed on the waste oil underground storage tank (UST).	
Site characterization complete? Yes	Date Approved By Oversight Agency: —

Monitoring wells installed? Yes*	Number: 7	Proper screened interval? Yes
Highest GW Depth Below Ground Surface: 5′	Lowest Depth: 8.8′	Flow Direction: Northwest
Most Sensitive Current Use: Potential drinking water supply		

* Previous investigation/cleanup was performed at this site and the adjacent Old Corporation Yard site at the same time. Monitoring wells (MW-1, MW-3, and MW-1R) were installed on the property of Old Corporation Yard (116 North Main Street). Monitoring wells (MW-2, MW-4 and MW-6) were installed on the property of Milpitas Senior Center (160 North Main Street). Monitoring well MW-5 was installed in the parking area downgradient of both properties.

Summary of Production Wells in Vicinity: Eight abandoned and five destroyed production wells are identified within ¼ mile of the site; the closest abandoned well is located at approximately 500 feet southwest of the site. Based on the levels of residual contamination at the site and the proximity of these wells to the site, they are not likely to be affected by the reported release.	
Are drinking water wells affected? No	Aquifer Name: Santa Clara Valley Groundwater Basin
Is surface water affected? No	Nearest SW Name: Lower Penitencia Creek, ~800 feet west of site
Off-Site Beneficial Use Impacts (Addresses/Locations): None reported	
Reports on file? Yes	Where are reports filed? Santa Clara Valley Water District

TREATMENT AND DISPOSAL OF AFFECTED MATERIAL

Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Tank	One at 550 gallons	Disposed; destination unknown	08/90
Piping	—	—	—
Free Product	—	—	—
Soil	Unknown* ~511 tons*	Destination unknown Transported to landfill for disposal	11/90 09/98
Groundwater	—	—	—
Barrels	—	—	—

MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS

	Soil (ppm)		Water (ppb)			Soil (ppm)		Water (ppb)	
Contaminant	Before	After	Before	After	Contaminant	Before	After	Before	After
TPH (Gas)	530[1]	7.0[4]	24,000[5]	5760[9]	Xylene	59[1]	0.14[4]	3,600[5]	288[9]
TPH (Diesel)	14[2]	—	—	—	Ethylbenzene	13[1]	0.3[4]	770[5]	149[9]
Benzene	5.7[2]	0.14[4]	2,300[6]	329[9]	Oil & Grease	70[3]	—	—	—
Toluene	79[2]	0.021[4]	1,200[7]	542[9]	Heavy Metals	—	—	—	—
Other (8240/8270)	—	**	—	***	MTBE	—	ND	3.1[8]	2[9]

Description of Interim Remediation Activities: Please see the Site History in Section V.

*Some of this soil was excavated from the adjacent Old Corporation Yard site.

**The soil samples collected from borings (GW-1 through GW-4) near the Milpitas Senior Center in August 2000 were analyzed for fuel oxygenates including tert-Butyl Alcohol (TBA), Methyl tert Butyl Ether (MTBE), Di-Isopropyl Ether (DIPE), Ethyl tert-Butyl Ether (ETBE), tert-Amyl Methyl Ether (TAME), 1,2-Dichloroethane (1,2-DCA), and Ethylene dibromide (EDB). None of these compounds were detected above their detection limits.

***The grab groundwater samples collected from borings (GW-1 through GW-4) near the Milpitas Senior Center in August 2000 were analyzed for fuel oxygenates including TBA, MTBE, DIPE, ETBE, TAME, 1,2-DCA, and EDB. None of these compounds were detected above their detection limits. In addition, groundwater samples collected during September2000 were also analyzed for fuel oxygenates; DIPE, TBA, ETBE, and TAME were not detected; MTBE was detected in the groundwater samples collected from MW-1R and MW-2.

1 This soil sample was collected from boring MB-4 at approximately 8.5 feet below ground surface (bgs) in April 1996.
2 This soil sample was collected underneath the waste oil UST during tank removal in August 1990.
3 This soil sample (2-West) was collected from the west of the waste oil excavation in November 1991.
4 This soil sample (EX4-South) was collected from the south of the waste oil excavation in August 1998.
5 This grab groundwater sample was collected from temporary well point location WP-6 in June 1991.
6 This groundwater sample was collected from monitoring well MW-2 in May 1998.
7 This groundwater sample was collected from monitoring well MW-2 in December 1996.
8 This groundwater sample was collected from monitoring well MW-2 in March 2000.
9 This groundwater sample was collected from monitoring well MW-2 in September 2000.

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Yes		
Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? Yes		
Does corrective action protect public health for current land use? Santa Clara Valley Water District staff does not make specific determinations concerning public health risk. However, it does not appear that the release would present a risk to human health.		
Site Management Requirements: Residual petroleum hydrocarbon contamination exists at the site. Since the residual contamination could be exposed during site development activities, grading, or excavation, any such disturbance of the contamination shall be assessed and appropriate action taken so that there is no significant impact to human health, safety, or the environment.		
Should corrective action be reviewed if land use changes? Yes		
Monitoring Wells Decommissioned: —	Number Decommissioned: 1*	Number Retained: 6
List Enforcement Actions Taken: None		
List Enforcement Actions Rescinded: None		

* Monitoring well MW-1 was destroyed properly in April 1998.

V. ADDITIONAL COMMENTS, DATA, ETC.

Site History:

Note: Joint investigation/cleanup was performed for this site and the adjacent Old Corporation Yard site on 116 N. Main Street. Therefore, some of the following descriptions may pertain to the adjacent site.

08/22/90	One 550-gallon waste oil UST was removed from this site. Analytical results for a soil sample collected under the waste oil tank at 10.5 feet bgs indicated the presence of 350 parts per million (ppm) Total Petroleum Hydrocarbons as Gasoline (TPHG), 14 ppm Total Petroleum Hydrocarbons as Diesel (TPHD), 5.7 ppm Benzene, 79 ppm Toluene, 8.8 ppm Ethylbenzene, and 31 ppm Xylenes. Total Oil and Grease (TOG)or Halogenated Volatile Organics were not detected in this soil sample. One well reported to be located near the waste oil tank was destroyed in October 1990.
12/27/90	Monitoring well MW-1 was installed approximately 10 feet downgradient of the former gasoline UST at the Old Corporation Yard. Monitoring well MW-2 was installed approximately 10 feet downgradient of the former waste oil tank at the Milpitas Senior Center property. Monitoring well MW-3 was installed upgradient of the properties. Analytical results for soil samples collected from MW-2 in the vicinity of the waste oil UST indicated up to 10 ppm TPHG, 5.6 ppm TPH (motor oil), 0.26 ppm Benzene, 0.89 ppm Toluene, 0.042 ppm Ethylbenzene, and 0.074 ppm Xylenes.
06/28/91 & 07/01/91	Grab groundwater samples were collected from five temporary well points (WP-2, WP-3, WP-5, WP-6, and WP-8). Analytical results for the grab groundwater samples collected from locations downgradient of the Milpitas Senior Center site (WP-5 and WP-6) indicated up to 24,000 parts per billion (ppb) TPHG, 510 ppb Benzene, 960 ppb Toluene, 770 ppb Ethylbenzene, and 3600 ppb Xylenes.
10/91 &11/91	Additional soil was removed from the former fuel tank excavations at both sites. Soil samples were collected from the excavation sidewalls. Analytical results for soil samples collected from the waste oil tank excavation indicated up to 0.003 ppm Toluene, 0.002 ppm Ethylbenzene, 0.015 ppm Xylenes, and 70 ppm TOG. No samples were collected from the base of the excavation because groundwater was present in the excavation during soil excavation. The excavation was subsequently backfilled to grade using clean, imported fill. Soils generated during excavation were stockpiled onsite, profiled and transported to a landfill for disposal.
02/10/92	Monitoring wells MW-4 and MW-5 were installed. Analytical results for soil samples collected from the well borings did not indicate the presence of TPHG or Benzene, Toluene, Ethylbenzene, Xylenes (BTEX) above detection limits.
04/25/96	Twelve borings (MB-1 through MB-12) were drilled at both sites. The borings were completed to depths that ranged from 11 to 16 feet. Analytical results for soil samples collected near the former waste oil UST at MB-4 indicated up to 530 ppm TPHG, 4.6 ppm Benzene, 35 ppm Toluene, 13 ppm Ethylbenzene, and 59 ppm Xylenes. A grab groundwater sample was collected in boring MB-5, located approximately downgradient of both sites; analytical results indicated the presence of 1100 ppb TPHG, 26 ppb Benzene, 95 ppb Ethylbenzene, and 31 ppb Xylenes.
03/10/97	An additional monitoring well MW-6 was installed on the Milpitas Senior Center property. TPHG, BTEX, or MTBE were not detected in soil or groundwater at this location.

Site History (continued)

04/17/98	Monitoring well MW-1 was destroyed by pressure grouting, because additional overexcavation of the area was planned.
08/20/98	Additional excavation was performed to remove the residual soil contamination at both sites. Soil was removed to a depth of 9 to 9.5 feet bgs. Following completion of the excavation, the sidewalls of the excavation area were visually inspected for evidence of staining and presence of petroleum hydrocarbons. Sidewall soil samples were collected on August 27, 1998, at a depth of 5 to 5.5 feet bgs. Analytical results for soil samples collected in the waste oil UST excavation indicated up to 7 ppm TPHG, 0.14 ppm Benzene, 0.021 ppm Toluene, 0.3 ppm Ethylbenzene, and 0.14 ppm Xylenes; no MTBE was detected. Prior to backfilling the excavation, oxygen releasing compounds (ORC) were applied to the saturated soil at the base of each excavation.
09/04/98	The two excavation areas were backfilled with clean imported fill. It was reported that approximately 380 tons of soil were transported to the Class II Altamont landfill, and 131 tons were transported to the Class III Kirby Canyon landfill for disposal.
10/29/98	Monitoring well MW-1R was installed to replace MW-1. MW-1R is located directly downgradient of the former gasoline UST. No soil samples were collected for analysis.
03/10/99	ORC was placed in MW-1R in March 1999, and subsequently in December 1999 and March 2000.
07/26/99	ORC was placed in MW-2 in July 1999 and replaced in March 2000.
08/00	Soil and grab groundwater samples were collected from four borings (GW-1 through GW-4) near the Milpitas Senior Center. GW-1 and GW-2 were located adjacent to the two well point locations (WP-6 and WP-5) previously installed in June and July 1991. No petroleum compounds or fuel oxygenates were detected in the soil samples. Analytical results for the grab groundwater samples indicated up to 200 ppb TPHG, 13 ppb Benzene, 21 ppb Ethylbenzene, 13 ppb Xylenes, and 17 ppb 1,2-DCA at GW-1.

Conclusions:

Based on previous investigation results, it appears that the majority of the residual soil contamination had been removed from this site by overexcavation. Groundwater monitoring results suggest that the residual groundwater contamination as a result of the release from the former waste oil UST remain localized within the immediate vicinity of the tank area. It is anticipated that natural attenuation will continue to reduce the remaining pollution at the site. It also appears that there would not be a significant risk to human health, safety, and the environment if the site management requirements(see section IV of this closure summary) remain in place. Therefore, no further corrective action is necessary at this time.

VI. LOCAL AGENCY REPRESENTATIVE DATA

Prepared by: Rita S. Chan, P.E.	Title: Assistant Civil Engineer
Signature: RSChan	Date: 10/15/01
Approved by: James S. Crowley, P.E.	Title: Engineering Unit Manager
Signature: JSCrowley	Date: 10/17/01

This closure approval is based upon the available information and with the provision that the information provided to this agency was accurate and representative of site conditions.

VII. REGIONAL BOARD NOTIFICATION

Regional Board Staff Name: Chuck Headlee	Title: Engineering Geologist
RB Response: Concur, based solely upon information contained in this case closure summary.	Date Submitted to RB:
Signature: Please see the attached sheet for signature.	Date: 10/26/01

Attachments:

1. Site Vicinity Map
2. Site Plan
3. Sampling locations and analytical results for soil samples collected following overexcavation, in 1991 and 1998.
4. Sampling locations and analytical results for grab groundwater samples collected from temporary well point locations, June and July 1991.
5. Sampling locations and analytical results for samples collected from borings (MB-1 to MB-12) in April 1996.
6. Sampling locations and analytical results for grab groundwater samples collected at Milpitas Senior Center site, August 2000.
7. Summary of soil analytical results.
8. Cumulative groundwater monitoring results.

This document and the related CASE CLOSURE LETTER, shall be retained by the lead agency as part of the official site file.

VII. REGIONAL BOARD NOTIFICATION

160 North Main

Regional Board Staff Name: Chuck Headlee	Title: Engineering Geologist
RB Response: Concur, based solely upon information contained in this case closure summary.	Date Submitted to RB: 10/19/01
Signature: Chuck Headlee	Date: 10/25/01

Attachments:
1. Site Vicinity Map
2. Site Plan
3. Sampling locations and analytical results for soil samples collected following overexcavation, in 1991 and 1998.
4. Sampling locations and analytical results for grab groundwater samples collected from temporary well point locations, June and July 1991.
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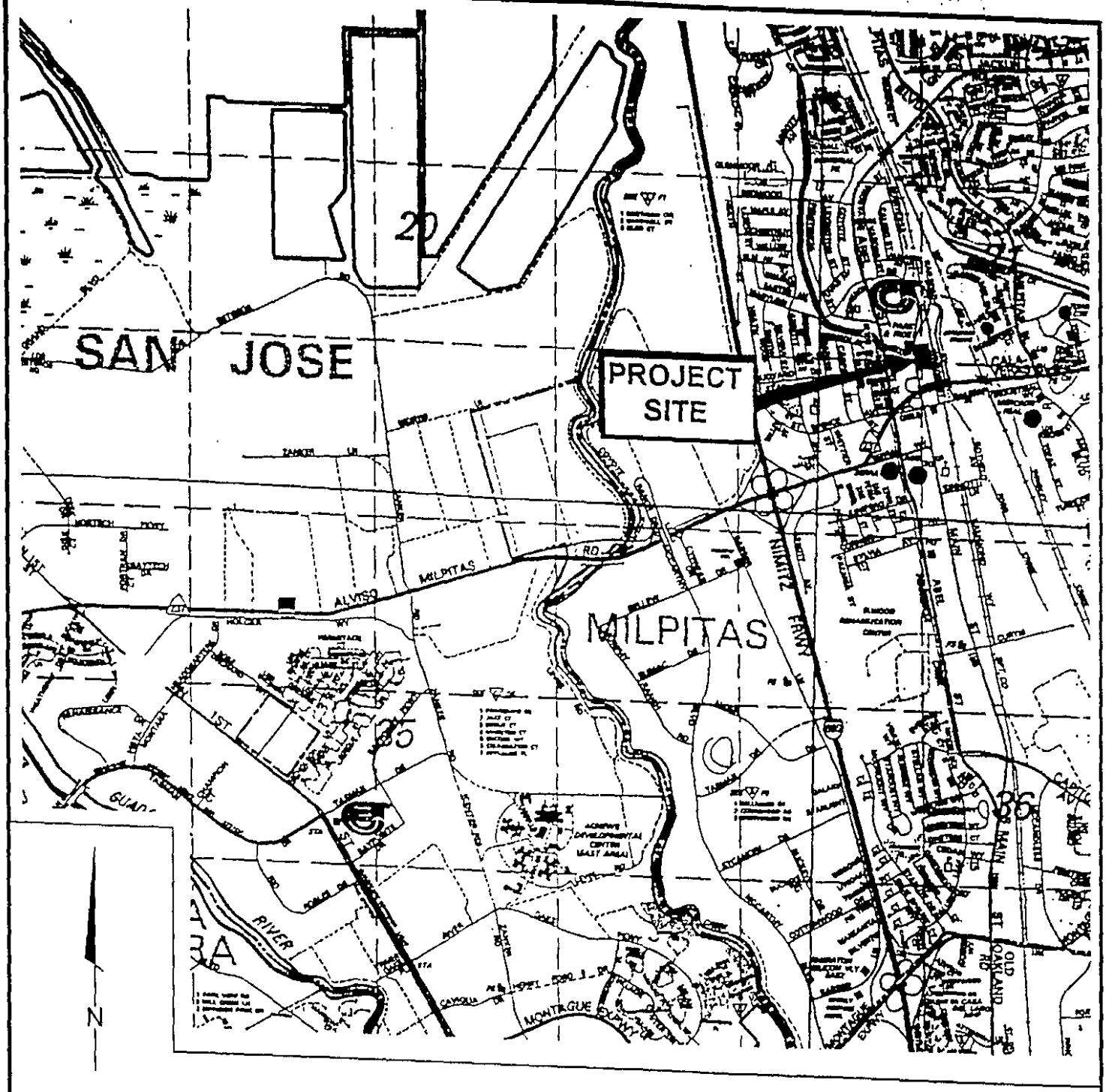
6. Sampling locations and analytical results for grab groundwater samples collected at Milpitas Senior Center site, August 2000.
7. Summary of soil analytical results.
8. Cumulative groundwater monitoring results.

This document and the related CASE CLOSURE LETTER, shall be retained by the lead agency as part of the official site file.

Post-it® Fax Note 7671	Date	# of pages ▶
To Rita Chan	From Chuck Headlee	
Co./Dept.	Co	
Phone #	Phone #	
Fax #	Fax #	

06S1E06P02f_CLOS_L



0 2400 4800

Scale in Feet

Ref: "The Thomas Guide- Golden Gate Street Guide and Directory" 1993 Edition

PES Environmental, Inc.
Engineering & Environmental Services

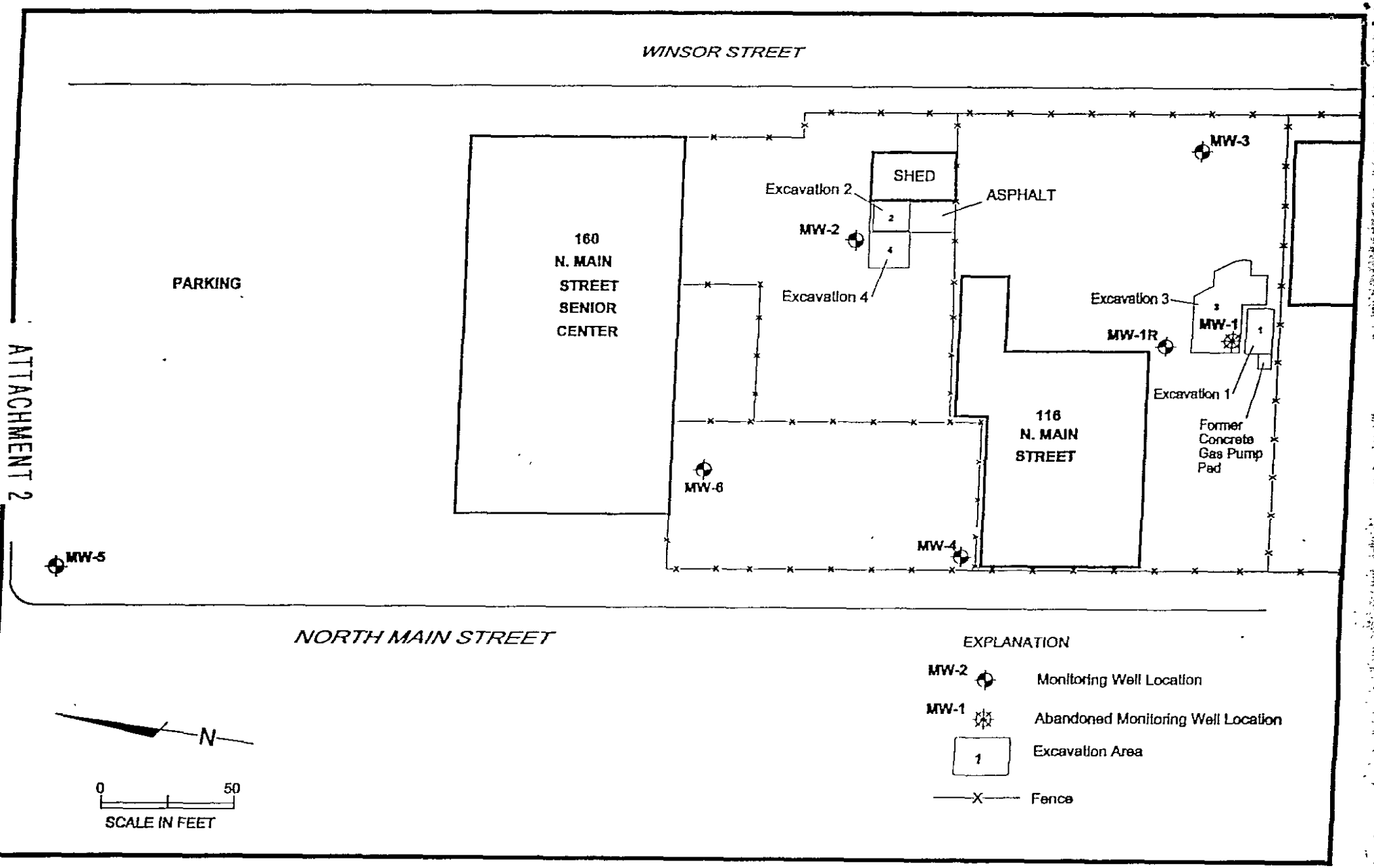
Site Location Map
City of Milpitas
160 & 116 North Main Street
Milpitas, California

PLATE 1

129-0202-008	1290202008_3Q-00	SA	01/01
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE

ATTACHMENT 1

ATTACHMENT 2

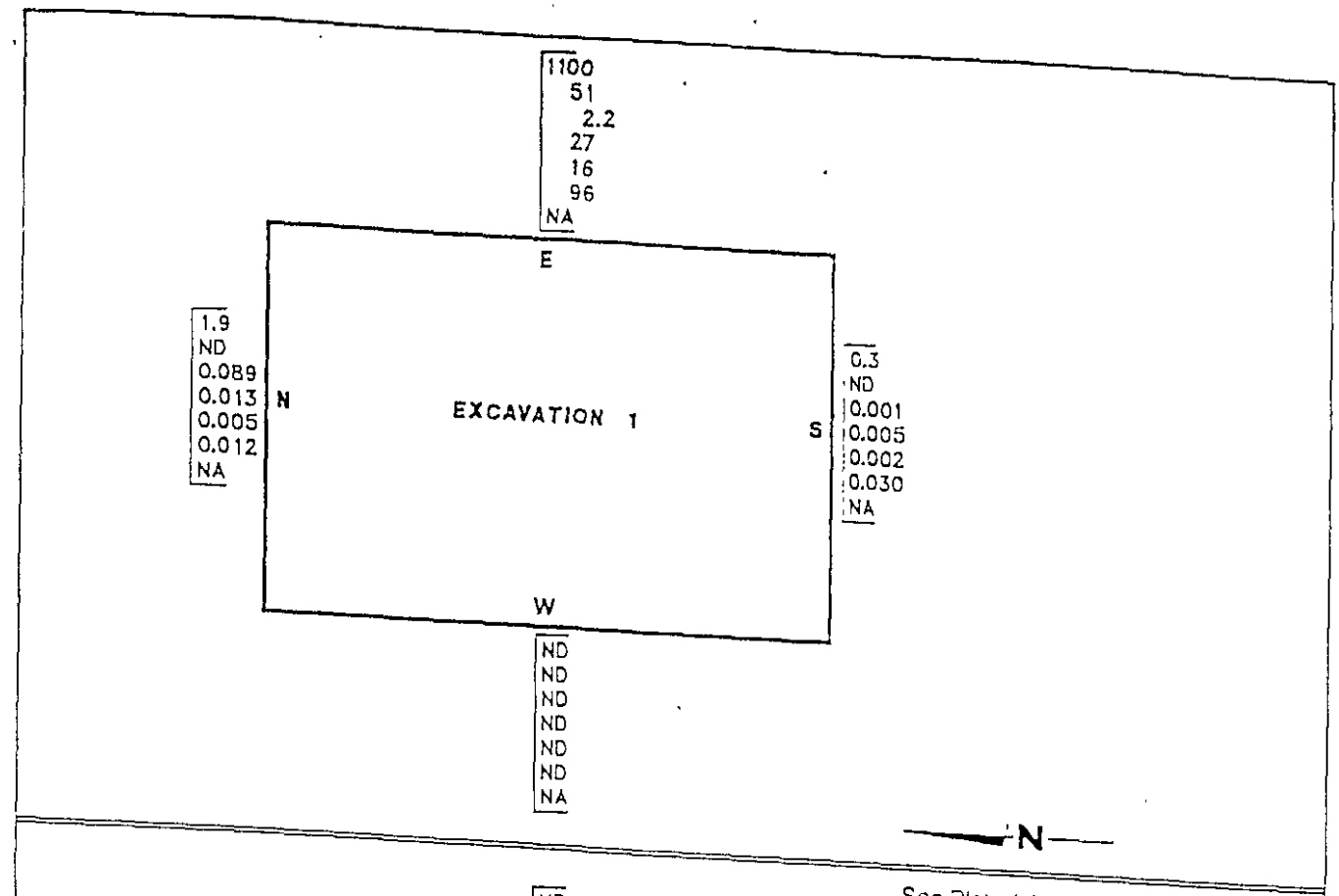


PES Environmental, Inc.
Engineering & Environmental Services

Site Plan
City of Milpitas
160 & 116 North Main Street
Milpitas, California

PLATE
2

29.0202.002	1290202007_mlpitas-01	SG	01/00
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE



PES Environmental, Inc.
Engineering & Environmental Services

Residual Concentration of Fuel Hydrocarbons in Soil
Remedial Investigation
Milpitas, California

PLATE **3**

JOB NUMBER MI001C

REVIEWED BY

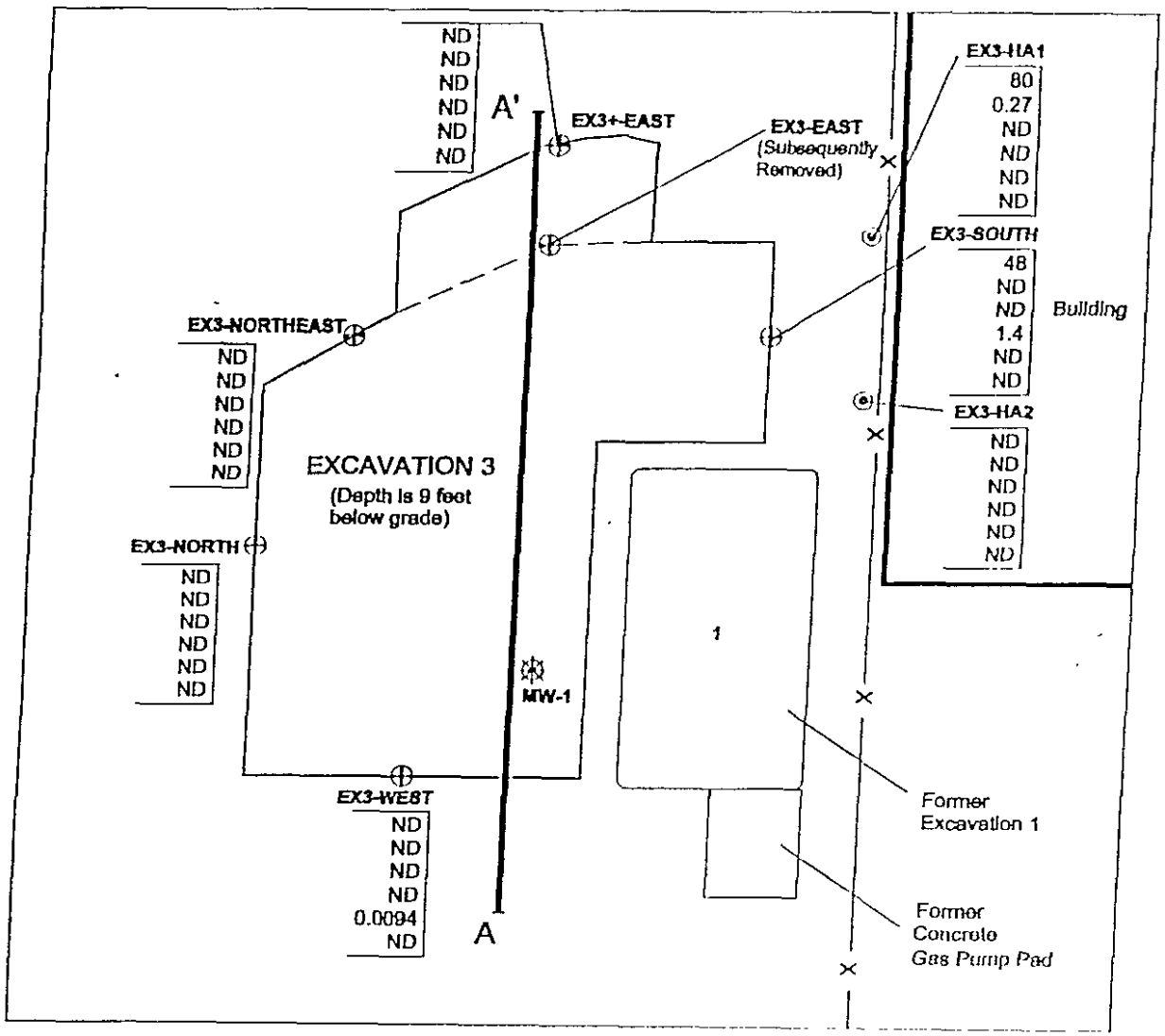
ATTACHMENT 3A

DATE 9/92

REVISED DATE

REVISED DATE

ATTACHMENT 3B



EXPLANATION

MW-1 — Abandoned Monitoring Well Location

Confirmation Sidewall Soil Sample Location

Hand Auger Soil Sample Location

—X— Fence

Concentrations of Petroleum Hydrocarbons in Soil in parts per million

8.0	TPH as Gasoline
0.27	Benzene
ND	Toluene
1.4	Ethylbenzene
0.0094	Xylenes
ND	MTBE

ND Not Detected

All samples collected at 5.0 to 5.5 feet below ground surface

N

0 10

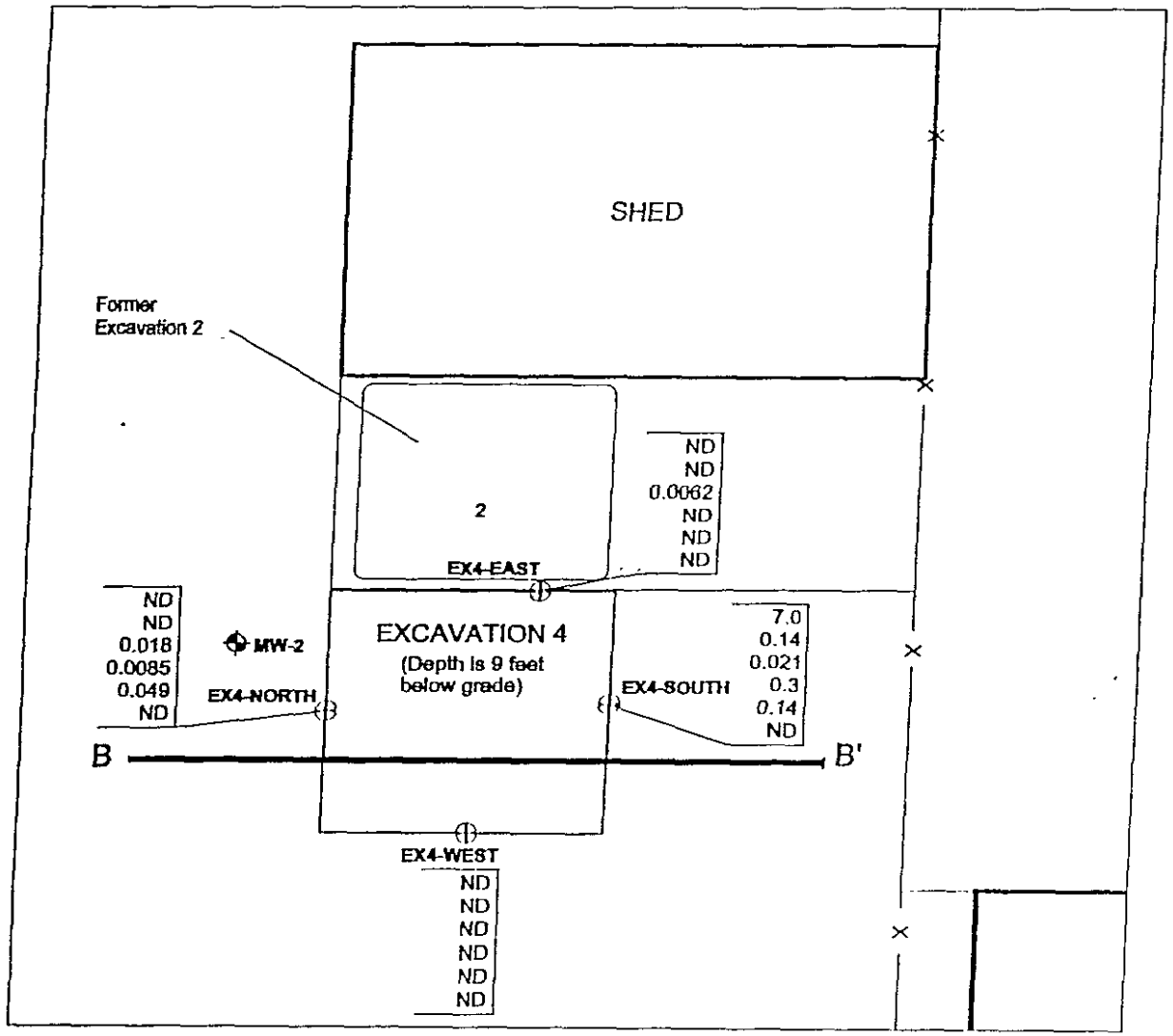
SCALE IN FEET

PES Environmental, Inc.
Engineering & Environmental Services

Detail for Excavation Area 3
City of Milpitas
160 & 116 North Main Street
Milpitas, California

PLATE 3

202.007	1290202007_Milpitas	SC	01/00
NUMBER	DRAWING NUMBER	REVIEWED BY	DATE



EXPLANATION

MW-2 — Monitoring Well Location

Confirmation Sidewall Soil Sample Location

—X— Fence

Concentrations of Petroleum Hydrocarbons in Soil in parts per million

7.0	TPH as Gasoline
0.14	Benzene
0.021	Toluene
0.3	Ethylbenzene
0.14	Xylenes
ND	MTBE

ND Not Detected

All samples collected at 5.0 to 5.5 feet below ground surface

N

0 10

SCALE IN FEET

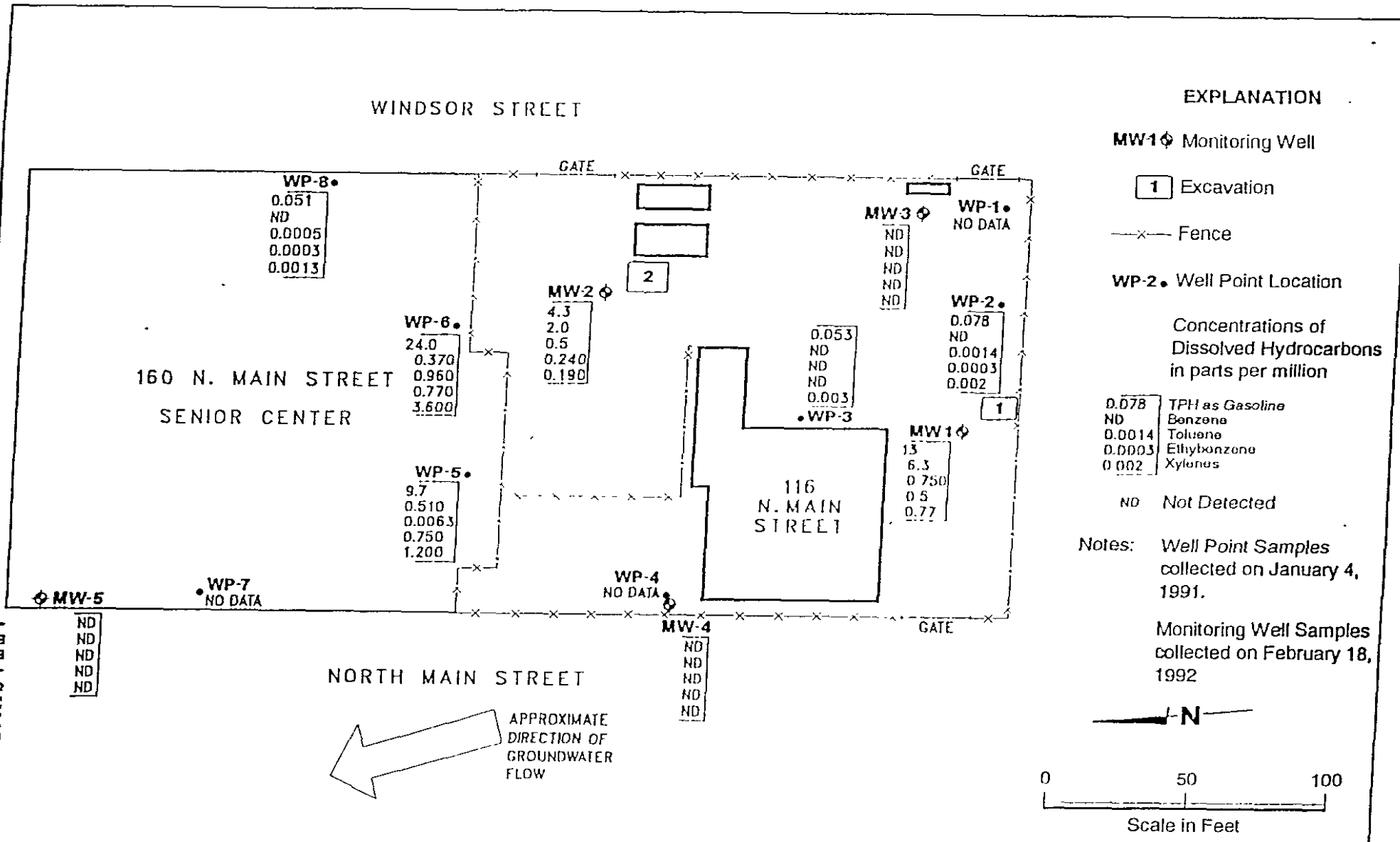
ATTACHMENT 3C

PES Environmental, Inc.
Engineering & Environmental Services

Detail for Excavation Area 4
City of Milpitas
160 & 116 North Main Street
Milpitas, California

PLATE
5

1202.007	1290202007_Milpitas	SC	01/00
NUMBER	DRAWING NUMBER	REVIEWED BY	DATE



ATTACHMENT 4

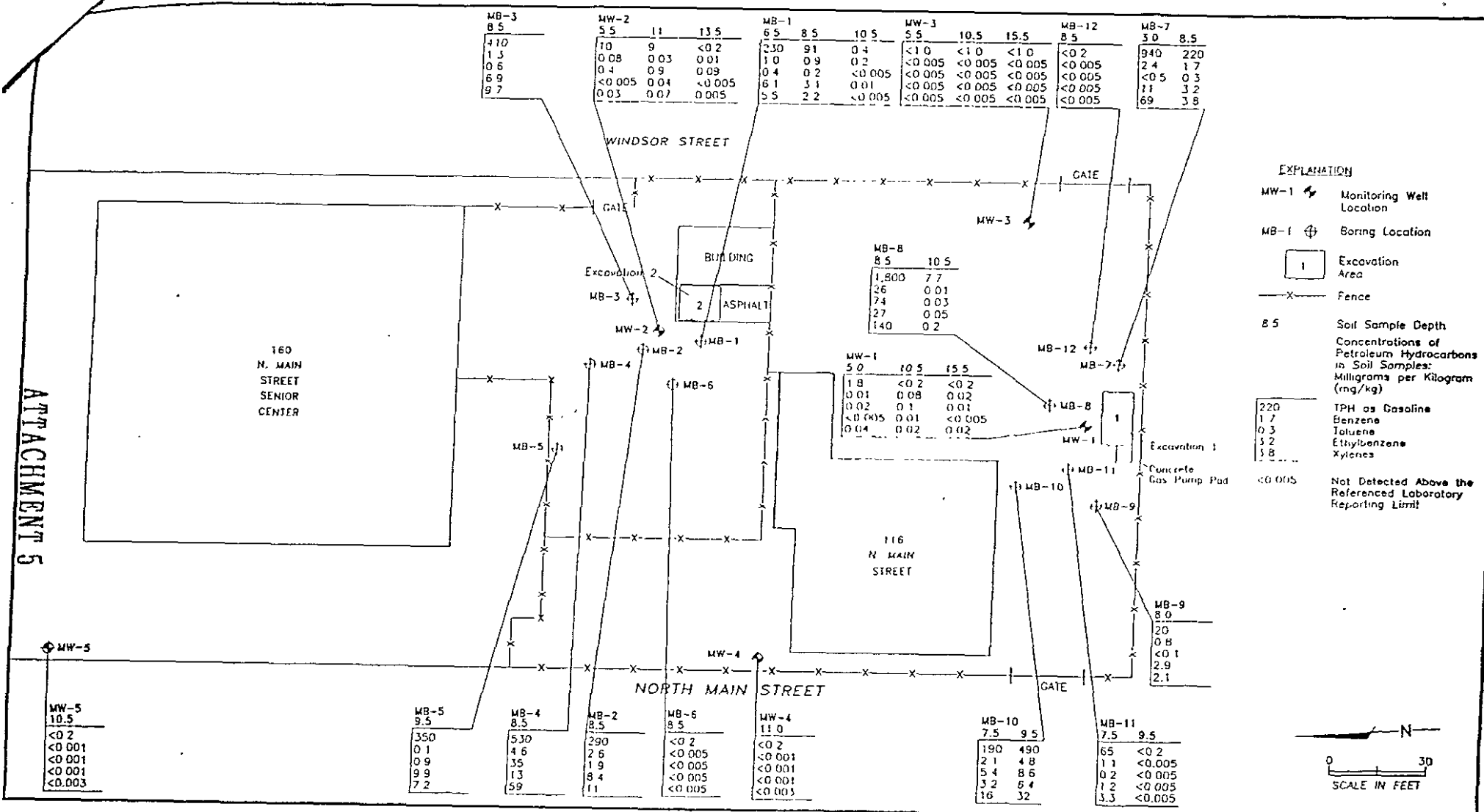
PES Environmental, Inc.
Engineering & Environmental Services

Concentrations of Dissolved Hydrocarbons
160 & 116 North Main Street
Milpitas, California

PLATE
4

JB NUMBER	REVIEWED BY	DATE	REVISED DATE	REVISED DATE
1001C		9/92		

ATTACHMENT 5

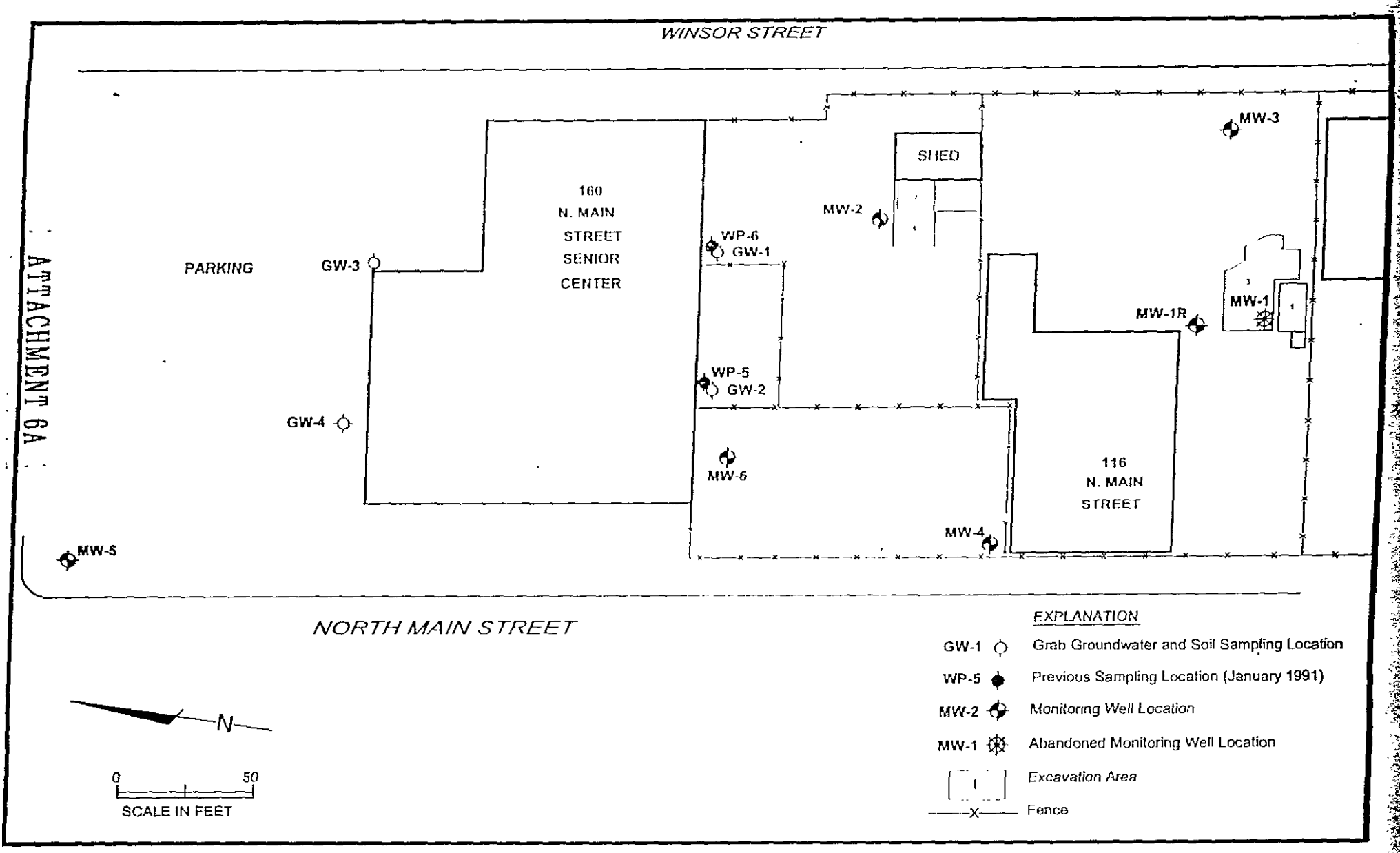


PES Environmental, Inc.
Engineering & Environmental Services

Concentrations of Petroleum Hydrocarbons in Soil Samples
City of Milpitas
160 & 116 North Main Street
Milpitas, California

PLATE 3

129.0202.001	020010-1	MCP	7/96
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE



PES Environmental, Inc.
Engineering & Environmental Services

Monitoring Well and Excavation Locations
City of Milpitas
160 & 116 North Main Street
Milpitas, California

PLATE
2

129-0202-009	1290202009_S-GW	SE	10/00
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE

Table 1
Soil Sample Analytical Results
116 and 160 North Main Street
Milpitas, California

Sample Location	Depth (feet bgs)	TPHg mg/kg	Benzene mg/kg	Toluene mg/kg	Ethyl benzene mg/kg	Xylenes mg/kg	TBA mg/kg	MTBE mg/kg	DIPE mg/kg	ETBE mg/kg	TAME mg/kg	1,2-DCA mg/kg	EDB mg/kg
GW-1	5.5-6.0	<1.0	<0.0050	<0.0050	<0.0050	0.0058	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
GW-2	3.5-4.0	<1.0	<0.0050	<0.0050	<0 0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
GW-3	.4.0-4.5	<1.0	<0.0050	<0.0050	<0.0050	<0 0050	<0 0050	<0 0050	<0 010	<0 0050	<0.0050	<0.0050	<0.0050
GW-4	7.5-8.0	<1.0	<0 0050	<0.0050	<0.0050	<0 0050	<0 0050	<0 0050	<0 010	<0.0050	<0.0050	<0.0050	<0.0050

Notes:
Soil samples collected on August 8, 2000
bgs = below ground surface
TPHg = Total Petroleum Hydrocarbons quantified as gasoline
TBA = tert-Butyl alcohol
MTBE = Methyl tert-butyl ether
DIPE = Di-isopropyl Ether
ETBE = Ethyl tert-butyl ether
TAME = tert-Amyl methyl ether
mg/kg = milligrams per kilogram
< = compound not detected at or above specified laboratory reporting limit

Table 2
Grab Groundwater Sample Analytical Results
116 and 160 North Main Street
Milpitas, California

Sample Location	TPHg µg/L	Benzene µg/L	Toluene µg/L	Ethyl benzene µg/L	Xylenes µg/L	TBA µg/L	MTBE µg/L	DIPE µg/L	ETBE µg/L	TAME µg/L	1,2-DCA µg/L	EDB µg/L
GW-1	200	13	<0 50	21	13	<5 0	<5 0	<10	<5.0	<5.0	7.0	<1.0
GW-2	<50	<0.50	<0.50	<0 50	<0 50	<5.0	<5.0	<10	<5.0	<5.0	17	<1.0
GW-3	<50	<0.50	<0.50	<0 50	<0.50	<5.0	<5.0	<10	<5.0	<5 0	<1.0	<1.0
GW-4	<50	<0.50	<0.50	<0 50	<0.50	<5.0	<5 0	<10	<5.0	<5.0	<1.0	<1.0

Notes:
Grab groundwater samples collected on August 8, 2000
TPHg = Total Petroleum Hydrocarbons quantified as gasoline
TBA = tert-Butyl alcohol
MTBE = Methyl tert-butyl ether
DIPE = Di-isopropyl Ether
ETBE = Ethyl tert-butyl ether
TAME = tert-Amyl methyl ether
µg/L = micrograms per liter
< = compound not detected at or above specified laboratory reporting limit

Table A-1. Compilation of Soil Sample Analytical Results
116 and 160 North Main Street
Milpitas, California

Well/ Excavation	Date	Depth (feet bgs)	TPH Gas (ppm)	TPH Diesel (ppm)	TPH Motor Oil (ppm)	Total Oil & Grease (ppm)	Benzene (ppm)	Toluene (ppm)	Ethyl-benzene (ppm)	Total Xylenes (ppm)	MTBE (ppm)
Excavation Sidewall Samples											
Excavation 1											
1-Base	8/22/90		140	NA	NA	NA	0.74	1	1.9	12	NA
1-North	11/20/91		1.9	<5	<5	NA	0.089	0.013	0.005	0.012	NA
1-South	10/31/91		0.3	<5	<5	NA	0.001	0.005	0.002	0.03	NA
1-East	11/20/91		1100	51	10	NA	2.2	27	16	96	NA
1-West	11/20/91		<1	<5	<5	NA	<0.001	<0.001	<0.001	<0.003	NA
Excavation 2											
2-Base	8/22/90		350	14	NA	NA	5.7	79	8.8	31	NA
2-North	10/31/91		<1	<5	<5	<10	<0.001	0.003	0.002	0.015	NA
2-South	10/31/91		<1	<5	<5	30	<0.001	0.001	<0.001	0.004	NA
2-East	11/20/91		<1	<5	<5	20	<0.001	0.002	<0.001	0.006	NA
2-West	11/20/91		<1	<5	<5	70	<0.001	<0.001	<0.001	<0.003	NA
Excavation 3											
EX3-North	8/27/98	5	<1.0	NA	NA	NA	<0.005	<0.005	<0.005	<0.005	<0.005
EX3-South	8/27/98	5	48	NA	NA	NA	<1.2	<1.2	1.4	<1.2	<1.2
EX3-East[1]	8/27/98	5	340	NA	NA	NA	1.8	2.7	5.0	2.2	<0.62
EX3-West	8/27/98	5	<1.0	NA	NA	NA	<0.005	<0.005	<0.005	0.0094	<0.005
EX3-Northeast	8/27/98	5	<1.0	NA	NA	NA	<0.005	<0.005	<0.005	<0.005	<0.005
EXC3+ East	9/4/98	5	<1.0	NA	NA	NA	<0.005	<0.005	<0.005	<0.005	<0.005
HA1	11/16/99	5	80	NA	NA	NA	0.27	<0.62	<0.62	<0.62	<0.62
HA2	11/16/99	5	<1.0	NA	NA	NA	<0.005	<0.005	<0.005	<0.005	<0.005
Excavation 4											
EX4-North	8/27/98	5	<1.0	NA	NA	NA	<0.005	0.018	0.0085	0.049	<0.005
EX4-South	8/27/98	5	7.0	NA	NA	NA	0.14	0.021	0.3	0.14	<0.005
EX4-East	8/27/98	5	<1.0	NA	NA	NA	<0.005	0.0062	<0.005	<0.005	<0.005
EX4-West	8/27/98	5	<1.0	NA	NA	NA	<0.005	<0.005	<0.005	<0.005	<0.005
Boring Samples											
MW-1	12/27/90	5.0	1.8	NA	NA	NA	0.008	0.210	<0.005	0.042	NA
	12/27/90	10.5	<1.0	NA	NA	NA	0.076	0.120	0.007	0.015	NA
	12/27/90	13.5	<1.0	NA	NA	NA	0.017	0.014	<0.005	0.020	NA

ATTACHMENT 7A

Table A-1. Compilation of Soil Sample Analytical Results
116 and 160 North Main Street
Milpitas, California

Well/ Excavation	Date	Depth (feet bgs)	TPH Gas (ppm)	TPH Diesel (ppm)	TPH Motor Oil (ppm)	Total Oil & Grease (ppm)	Benzene (ppm)	Toluene (ppm)	Ethyl-benzene (ppm)	Total Xylenes (ppm)	MTBE (ppm)
MW-2	12/27/90	5 5	10 0	<1 0	<5 0	NA	0 084	0 380	<0 005	0 030	NA
	12/27/90	11 0	9 0	<1 0	5 6	NA	0 260	0 890	0 042	0 074	NA
	12/27/90	13 5	<1 0	<1 0	<5 0	NA	0 011	0 089	<0 005	0 005	NA
MW-3	12/27/90	5 5	<1 0	NA	NA	NA	<0 005	0 110	<0 005	0 003	NA
	12/27/90	10 5	<1 0	NA	NA	NA	<0 005	0 025	<0 005	<0 005	NA
	12/27/90	15 5	<1 0	NA	NA	NA	<0 005	0 023	<0 005	<0 005	NA
MW-4	2/10/92	11 0	<0 2	NA	NA	NA	<0 001	<0 001	<0 001	<0 003	NA
MW-5	2/10/92	10 5	<0 2	NA	NA	NA	<0 001	<0 001	<0 001	<0 003	NA
MB-1-6.5	4/25/96	6 5	230	NA	NA	NA	1 0	0 43	6 1	5 5	NA
MB-1-8.5	4/25/96	8 5	91	NA	NA	NA	0 87	0 18	3 1	2 2	NA
MB-1-10.5	4/25/96	10 5	0 4	NA	NA	NA	0 016	ND<0 005	0 008	ND<0 005	NA
MB-2-8.5	4/25/96	8 5	290	NA	NA	NA	2 6	1 9	8 4	11	NA
MB-3-8.5	4/25/96	8 5	410	NA	NA	NA	1 3	0 55	6 9	9 7	NA
MB-4-8.5	4/25/96	8 5	530	NA	NA	NA	4 6	35	13	59	NA
MB-5-9.5	4/25/96	9 5	350	NA	NA	NA	0 083	0 9	9 9	7 2	NA
MB-6-8.5	4/25/96	8 5	ND<0 2	NA	NA	NA	ND<0 005	ND<0 005	ND<0 005	ND<0 005	NA
MB-7-3.0	4/25/96	3 0	940	NA	NA	NA	2 4	ND<0 5	11	69	NA
	4/25/96	8 5	220	NA	NA	NA	1 7	0 27	3 2	3 8	NA
MB-8-8.5	4/25/96	8 5	1,800	NA	NA	NA	26	74	27	140	NA
	4/25/96	10 5	7 7	NA	NA	NA	0 006	0 033	0 051	0 2	NA
MB-9-8.5	4/25/96	8 5	20	NA	NA	NA	0 83	ND<0 1	2 9	2 1	NA
MB-10-7.5	4/25/96	7 5	190	NA	NA	NA	2 1	5 4	3 2	16	NA
	4/25/96	9 5	490	NA	NA	NA	4 8	8 6	6 4	32	NA

ATTACHMENT 7B

Table A-1. Compilation of Soil Sample Analytical Results
116 and 160 North Main Street
Milpitas, California

Well/ Excavation	Date	Depth (feet bgs)	TPH Gas (ppm)	TPH Diesel (ppm)	TPH Motor Oil (ppm)	Total Oil & Grease (ppm)	Benzene (ppm)	Toluene (ppm)	Ethyl-benzene (ppm)	Total Xylenes (ppm)	MTBE (ppm)
MB-11-7.5	4/25/96	7.5	65	NA	NA	NA	1.1	0.17	1.2	3.3	NA
	4/25/96	10.5	ND<0.2	NA	NA	NA	ND<0.005	ND<0.005	ND<0.005	ND<0.005	NA
MB-12-8.0	4/25/96	8.0	ND<0.2	NA	NA	NA	ND<0.005	ND<0.005	ND<0.005	ND<0.005	NA

Notes:

TPH Gasoline - Total petroleum hydrocarbons as gasoline
TPH Diesel - Total petroleum hydrocarbons as diesel
TPH Motor Oil - Total petroleum hydrocarbons as motor oil
MTBE = Methyl Tertiary Butyl Ether

ppm - parts per million
NA - Not analyzed
<0.050 - Not detected at specified detection limit
(1) Area subsequently removed and resampled - see sample EX

ATTACHMENT 2

Table 2. *Groundwater Sample Analytical Results*
116 & 160 North Main Street
Milpitas, California

Well	Date	TPH Gasoline (mg/L)	TPH Diesel (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethyl-benzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	DIPE (mg/L)	TBA (mg/L)	ETBE (mg/L)	TAME (mg/L)	DO (mg/L)
MW-1*	1/4/91	1 1	NA	0 32	0 051	0 027	0 095	NA	NA	NA	NA	NA	NA
	2/18/92	13 0	NA	6 3	0 75	0 5	0 77	NA	NA	NA	NA	NA	NA
	9/24/93	11 0	NA	4 7	0 018	0 52	0 16	NA	NA	NA	NA	NA	NA
	12/22/93	*6 8*	*NA*	*3 2*	0 063	*0 22*	0 28	*NA*	NA	NA	NA	NA	NA
	3/10/94	16 0	NA	5 1	0 44	0 6	0 76	NA	NA	NA	NA	NA	NA
	6/27/94	11 0	NA	4 7	0 13	0 45	0 52	NA	NA	NA	NA	NA	NA
	9/16/94	4 1	NA	2 08	*0 035*	*0 196*	*0 142*	*NA*	NA	NA	NA	NA	NA
	12/22/94	2 29	NA	1 06	0 017	0 109	0 057	NA	NA	NA	NA	NA	NA
	3/17/95	10.11	NA	4 1	0 333	0 782	0 802	NA	NA	NA	NA	NA	NA
	6/26/95	11 8	NA	5 39	0 04	0 043	0 392	NA	NA	NA	NA	NA	NA
	9/11/95	4 557	NA	1 751	0 021	0 122	0 076	NA	NA	NA	NA	NA	NA
	12/5/95	0 937	NA	0 296	0 022	0 023	0 01	NA	NA	NA	NA	NA	NA
	3/22/96	20 37	NA	7 132	0 279	0 93	0 772	NA	NA	NA	NA	NA	NA
	6/24/96	9 5	NA	4 2	*0 0055*	*0 29*	*0 18*	*NA*	NA	NA	NA	NA	NA
	9/26/96	4 2	NA	1 9	0 007	0 11	0 03	NA	NA	NA	NA	NA	NA
	12/10/96	13 0	NA	*7 4*	0 35	0 81	1 1	NA	NA	NA	NA	NA	NA
	5/23/97	16 0	NA	6 8	0 052	0 45	0 26	< 0 300	NA	NA	NA	NA	NA
MW-1R**	12/23/98	14 0	NA	2 50	0 25	0 48	0 81	<0 050	NA	NA	NA	NA	2 1
	6/14/99	0 261	NA	0 0151	0 00106	0 00362	0 0101	0 0182	NA	NA	NA	NA	8 1
	9/27/99	0 482	NA	0 0936	*0 00297*	*0 0205*	*0 0242*	*0 0269*	*NA*	*NA*	*NA*	NA	7 6
	12/22/99	0 277	NA	0 0346	0 00111	0 00752	0 00914	0 0132	NA	NA	NA	NA	11.46
	3/27/00	0 421	NA	0 0766	0 00219	0 0116	0 0175	0 0142	NA	NA	NA	NA	8 35
	6/28/00	0 417	NA	0 0617	0 00455	0 00976	0 0273	0 0138	NA	NA	NA	NA	3 4
	9/27/00	***0.480***	***NA***	**0.0726**	**0 00330**	**0 01340**	**0 0310**	**0 0164**	**< 0 002**	**<0.100**	**<0.002**	**<0.002**	**14.3**
MW-2	1/4/91	6 4	<0 05	0 4	0 62	0 23	0 5	NA	NA	NA	NA	NA	NA
	2/18/92	4 3	NA	2 0	0 5	*0 24*	*0 19*	*NA*	*NA*	NA	NA	NA	NA
	9/24/93	0 32	NA	0 12	0 025	0 013	0 012	NA	NA	NA	NA	NA	NA
	12/22/93	5 6	NA	1 2	0 46	0 17	0 23	NA	NA	NA	NA	NA	NA
	3/10/94	11 0	NA	2 1	0 95	0 38	0 38	*NA*	*NA*	NA	*NA*	*NA*	*NA*
	6/27/94	10 0	NA	1 6	0 56	0 43	0 43	NA	NA	NA	NA	NA	NA
	9/16/94	8 36	NA	1 76	0 422	0 458	0 346	NA	NA	NA	NA	NA	NA
	12/22/94	5.53	NA	1 07	0 554	0 296	0 334	NA	NA	NA	NA	NA	NA
	3/17/95	*3 4*	*NA*	*1 28*	0 15	0 193	0 075	NA	NA	NA	NA	NA	NA
	6/26/95	1 64	NA	0 47	0 025	0 092	0 017	NA	NA	NA	NA	NA	NA
	9/11/95	1 01	NA	0 29	0 018	0 052	0 016	NA	NA	NA	NA	NA	NA
	12/5/95	3 77	NA	1 4	0 011	0 077	0 04	NA	NA	NA	NA	NA	NA
	3/22/96	5 361	NA	1 29	0 373	0 163	0 234	NA	NA	NA	NA	NA	NA
	6/24/96	2 1	NA	0 47	0 0062	0 068	0 025	NA	NA	NA	NA	NA	NA

ATTACHMENT 8A

Table 2. Groundwater Sample Analytical Results
116 & 160 North Main Street
Milpitas, California

Well	Date	TPH Gasoline (mg/L)	TPH Diesel (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethyl-benzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	DIPE (mg/L)	TBA (mg/L)	ETBE (mg/L)	TAME (mg/L)	DO (mg/L)
	9/26/96	1 4	NA	0 34	0 084	0 04	0 057	NA	NA	NA	NA	NA	NA
	12/10/96	5 7	NA	1 8	1 2	0 38	0 74	NA	NA	NA	NA	NA	NA
	5/23/97	3 8	NA	1 400	0 170	0 110	0 092	<0 050	NA	NA	NA	NA	2 9
	5/29/98	11 0	NA	2 300	0 460	0 140	0 150	<0 050	NA	NA	NA	NA	2 5
	12/23/98	2 9	NA	0 540	0 047	0 095	0 160	<0 0025	NA	NA	NA	NA	2 5
	6/16/99	3 75	NA	1 510	0 0945	0 0575	0 0635	<0 0025	NA	NA	NA	NA	2 5
	9/27/99	1 04	NA	0 247	0 0558	0 0428	0 0429	<0 0025	NA	NA	NA	NA	2 2
	12/22/99	3 090	NA	0 335	0 196	0 0933	0 0946	<0 050	NA	NA	NA	NA	5 26
	3/27/00	3 390	NA	0 874	0 342	0 109	0 165	0 00313	NA	NA	NA	NA	5 71
	6/28/00	3 680	NA	0 410	0 172	0 0878	0 126	<0 0025	NA	NA	NA	NA	3 1
	9/27/00	**5.760**	**NA**	**0.329**	**0.542**	**0 149**	**0 288**	**0 0020**	**<0 002**	**<0.100**	**<0.002**	**<0.002**	**4.9**
MW-3	1/4/91	0 07	NA	0 003	0 004	0 001	0 003	NA	NA	NA	NA	NA	NA
	2/18/92	<0 05	NA	<0 0003	<0 0003	<0 0003	<0 001	NA	NA	NA	NA	NA	NA
	9/24/93	<0 05	NA	<0 0003	<0 0003	<0 0003	<0 0009	NA	NA	NA	NA	NA	NA
	12/22/93	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	NA	NA	NA	NA	NA	NA
	3/10/94	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	NA	NA	NA	NA	NA	NA
	6/27/94	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	NA	NA	NA	NA	NA	NA
	9/16/94	<0 05	NA	<0 0003	<0 0003	<0 0003	<0 0006	NA	NA	NA	NA	NA	NA
	12/22/94	<0 05	NA	<0 0003	<0 0003	<0 0003	<0 0006	NA	NA	NA	NA	NA	NA
	3/17/95	<0 05	NA	0 005	<0 0003	<0 0003	<0 0006	NA	NA	NA	NA	NA	NA
	6/26/95	<0 05	NA	<0 0003	<0 0003	<0 0003	<0 0006	NA	NA	NA	NA	NA	NA
	9/11/95	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	NA	NA	NA	NA	NA	NA
	12/5/95	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	NA	NA	NA	NA	NA	NA
	3/22/96	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	NA	NA	NA	NA	NA	NA
	6/24/96	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	NA	NA	NA	NA	NA	NA
	9/26/96	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	NA	NA	NA	NA	NA	NA
	12/10/96	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA
	5/23/97	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 002	<0 005	NA	NA	NA	NA	2 8
	5/29/98	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	NA	NA	NA	NA	2 8
	12/23/98	0 1	NA	0 000075	0 0016	0 000057	<0 0005	<0 0025	NA	NA	NA	NA	2 1
	6/14/99	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 0025	NA	NA	NA	NA	2 2
	9/27/99	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 0025	NA	NA	NA	NA	2 0
	12/22/99	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 005	NA	NA	NA	NA	3 98
	3/27/00	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 0025	NA	NA	NA	NA	2 41
	6/28/00	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 0025	NA	NA	NA	NA	2 9
	9/27/00	**<0.05**	**NA**	**<0.002**	**<0.002**	**<0 002**	**<0 002**	**<0 002**	**<0 002**	**<0.100**	**<0.002**	**<0.002**	**2.5**

ATTACHMENT 8B

Table 2. Groundwater Sample Analytical Results
116 & 160 North Main Street
Milpitas, California

Well	Date	TPH Gasoline (mg/L)	TPH Diesel (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethyl-benzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	DIPE (mg/L)	TBA (mg/L)	ETBE (mg/L)	TAME (mg/L)	DO (mg/L)
MW-4	2/18/92	<0.05	NA	<0.0003	<0.0003	<0.0003	<0.001	NA	NA	NA	NA	NA	NA
	9/24/93	<0.05	NA	<0.0003	<0.0003	<0.0003	<0.0009	NA	NA	NA	NA	NA	NA
	12/22/93	<0.05	NA	<0.0005	<0.0005	<0.0005	<0.0005	NA	NA	NA	NA	NA	NA
	3/10/94	<0.05	NA	<0.0005	<0.0005	<0.0005	<0.0005	NA	NA	NA	NA	NA	NA
	6/27/94	<0.05	NA	<0.0005	<0.0005	<0.0005	<0.0005	NA	NA	NA	NA	NA	NA
	9/16/94	<0.05	NA	<0.0003	<0.0003	<0.0003	<0.0006	NA	NA	NA	NA	NA	NA
	12/22/94	<0.05	NA	<0.0003	0.0008	<0.0003	0.0013	NA	NA	NA	NA	NA	NA
	3/17/95	<0.05	NA	<0.0003	<0.0003	<0.0003	<0.0006	NA	NA	NA	NA	NA	NA
	6/26/95	<0.05	NA	<0.0003	<0.0003	<0.0003	<0.0006	NA	NA	NA	NA	NA	NA
	9/11/95	<0.05	NA	<0.0005	<0.0005	<0.0005	<0.0005	NA	NA	NA	NA	NA	NA
	12/5/95	<0.05	NA	<0.0005	<0.0005	<0.0005	<0.0005	NA	NA	NA	NA	NA	NA
	3/22/96	<0.05	NA	<0.0005	<0.0005	<0.0005	<0.0005	NA	NA	NA	NA	NA	NA
	6/24/96	<0.05	NA	<0.0005	<0.0005	<0.0005	<0.0005	NA	NA	NA	NA	NA	NA
	9/26/96	<0.05	NA	<0.0005	<0.0005	<0.0005	<0.0005	NA	NA	NA	NA	NA	NA
	12/10/96	<0.05	NA	<0.0005	<0.0005	<0.0005	<0.0005	NA	NA	NA	NA	NA	NA
	5/23/97	0.1	NA	<0.0005	<0.0005	<0.0005	<0.002	<0.005	NA	NA	NA	NA	3.1
	5/29/98	<0.05	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	NA	NA	NA	NA	2.0
	12/23/98	<0.05	NA	<0.0005	0.0014	<0.0005	<0.0005	<0.0025	NA	NA	NA	NA	2.6
	6/14/99	<0.05	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0025	NA	NA	NA	NA	1.9
	9/27/99	<0.05	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0025	NA	NA	NA	NA	2.0
	12/22/99	<0.05	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	NA	NA	NA	NA	5.67
	3/27/00	<0.05	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0025	NA	NA	NA	NA	5.79
	6/28/00	<0.05	NA	<0.0005	<0.0005	<0.0005	<0.0005	<0.0025	NA	NA	NA	NA	0.4
	9/27/00	**<0.05**	**NA**	**<0.002**	**<0.002**	**<0.002**	**<0.002**	**<0.002**	**<0.002**	**<0.100**	**<0.002**	**<0.002**	**2.5**
MW-5	2/18/92	<0.05	NA	<0.0003	<0.0003	<0.0003	<0.001	NA	NA	NA	NA	NA	NA
	9/24/93	<0.05	NA	<0.0003	<0.0003	<0.0003	<0.0009	NA	NA	NA	NA	NA	NA
	12/22/93	<0.05	NA	<0.0005	<0.0005	<0.0005	<0.0005	NA	NA	NA	NA	NA	NA
	3/10/94	<0.05	NA	<0.0005	<0.0005	<0.0005	<0.0005	NA	NA	NA	NA	NA	NA
	6/27/94	<0.05	NA	<0.0005	<0.0005	<0.0005	<0.0005	NA	NA	NA	NA	NA	NA
	9/16/94	<0.05	NA	<0.0003	<0.0003	<0.0003	<0.0006	NA	NA	NA	NA	NA	NA
	12/22/94	<0.05	NA	<0.0003	<0.0003	<0.0003	<0.0006	NA	NA	NA	NA	NA	NA
	3/17/95	<0.05	NA	<0.0003	<0.0003	<0.0003	<0.0006	NA	NA	NA	NA	NA	NA
	6/26/95	<0.05	NA	<0.0003	<0.0003	<0.0003	<0.0006	NA	NA	NA	NA	NA	NA
	9/11/95	<0.05	NA	<0.0005	<0.0005	<0.0005	<0.0005	NA	NA	NA	NA	NA	NA
	12/5/95	<0.05	NA	<0.0005	<0.0005	<0.0005	<0.0005	NA	NA	NA	NA	NA	NA
	3/22/96	<0.05	NA	<0.0005	<0.0005	<0.0005	<0.0005	NA	NA	NA	NA	NA	NA
	6/24/96	<0.05	NA	<0.0005	<0.0005	<0.0005	<0.0005	NA	NA	NA	NA	NA	NA
	9/26/96	<0.05	NA	<0.0005	<0.0005	<0.0005	<0.0005	NA	NA	NA	NA	NA	NA
	12/10/96	<0.05	NA	<0.0005	<0.0005	<0.0005	<0.0005	NA	NA	NA	NA	NA	NA

ATTACHMENT 8C

Table 2. Groundwater Sample Analytical Results
116 & 160 North Main Street
Milpitas, California

Well	Date	TPH Gasoline (mg/L)	TPH Diesel (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethyl-benzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	DIPE (mg/L)	TBA (mg/L)	ETBE (mg/L)	TAME (mg/L)	DO (mg/L)
	5/23/97	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 002	<0 005	NA	NA	NA	NA	2 3
	5/29/98	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	NA	NA	NA	NA	2 2
	12/23/98	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 0025	NA	NA	NA	NA	2 1
	6/14/99	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 0025	NA	NA	NA	NA	1 8
	9/27/99	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 0025	NA	NA	NA	NA	1 6
	12/22/99	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 005	NA	NA	NA	NA	5 18
	3/27/00	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 0025	NA	NA	NA	NA	1 97
	6/28/00	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 0025	NA	NA	NA	NA	0 3
	9/27/00	**<0.05**	NA	**<0.002**	**<0 002**	**<0.002**	**<0.002**	**<0.002**	**<0.002**	**<0.100**	**<0.002**	**<0.002**	**2.3**
MW-6	4/22/97	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 002	<0 005	NA	NA	NA	NA	NA
	5/23/97	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 002	<0 005	NA	NA	NA	NA	2 4
	5/29/98	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 0005	NA	NA	NA	NA	2 2
	12/23/98	<0 05	NA	<0 0005	0 00007	0 000074	0 00036	<0 0025	NA	NA	NA	NA	2 0
	6/14/99	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 0025	NA	NA	NA	NA	1 7
	9/27/99	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 0025	NA	NA	NA	NA	1 8
	12/22/99	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 005	NA	NA	NA	NA	3 44
	3/27/00	<0 05	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 0025	NA	NA	NA	NA	2 03
	6/28/00	<0.05	NA	<0 0005	<0 0005	<0 0005	<0 0005	<0 0025	NA	NA	NA	NA	0 4
	9/27/00	***<0.05***	***NA***	***<0 002***	***<0 002***	***<0 002***	***<0 002***	***<0 002***	***<0 002***	***<0.100***	***<0.002***	***<0 002***	***2.7***

Notes

TPH Gasoline = Total petroleum hydrocarbons quantified as gasoline
TPH Diesel = Total petroleum hydrocarbons quantified as diesel
MTBE = Methyl tertiary butyl ether
DIPE = Di-isopropyl Ether
TBA = Tert-butyl Alcohol
ETBE = Ethyl tert-butyl Ether
TAME = Tert-amyl Methyl Ether
DO = Dissolved oxygen (post-purge measurement)
NA = Not analyzed
NS = Not sampled (Well Inaccessible)
<0 050 = Not detected at or above respective laboratory reporting limit
* = Well MW-1 was abandoned on April 17, 1998
mg/L = milligrams per liter
** = Well MW-1R was installed on October 29, 1998

ATTACHMENT 8D

Santa Clara Valley
Water District

5750 ALMADEN EXPWY
SAN JOSE, CA 95118-3614
TELEPHONE (408) 265-2600
FACSIMILE (408) 266-0271
www.scvwd.dst.ca.us
AN EQUAL OPPORTUNITY EMPLOYER

August 26, 2002

Mr. Daryl Wong
City of Milpitas
455 E. Calaveras Boulevard
Milpitas, CA 95035

Subject: No Further Investigation for Methyl tert-Butyl Ether (MtBE) and Other Fuel Oxygenates at **Milpitas Fire Station No. 1**, 25 W. Curtis Avenue, Milpitas, CA

Dear Mr. Wong:

The Santa Clara Valley Water District was requested by the State Water Resources Control Board to consider the re-opening of fuel leak cases that were closed prior to January 1, 1998 without analysis for MtBE. Upon review of the information you submitted to us on your May 16, 2001 letter, we have determined that case closure for the subject site continues to be valid.

Thank you for your willingness and promptness in responding to our inquiries concerning the former underground storage tank(s) at the above sites.

If you have any questions concerning this letter, please contact me at (408) 265-2607, extension 2643.

Sincerely,

Rita S. Chan, P.E.
Assistant Civil Engineer
Leaking Underground Storage Tank Oversight Program

cc: Mr. Chuck Headlee, Regional Water Quality Control Board, San Francisco Bay Region
Ms. Denise Satterlee, Milpitas Fire Department
RSC:rsc
DIR_L_2002-08-26

File: 8074.2 Closure Report

HEW DRILLING COMPANY, INC.
ESTABLISHED 1972
Soil & Geological Explorations - Contamination Investigations - Monitor Wells
Street Address: 1045 Weeks Street E. Palo Alto, CA 94303
Mailing Address: P.O. Box 51182 Palo Alto, CA 94303
State License 604987
(650) 322-2851 FAX (650) 322-0339

December 17, 2001

City of MILPITAS
New Temporary City Hall
1210 Great Mall Drive
Milpitas, California 95035

Attention: Mr. Joe Ezeokeke

Subject: Our Proposal dated November 26, 2001
Acknowledgement and Confirmation of Compliance

Dear Mr. Ezeokkeke,

Per our proposal for the destruction of six (6) existing monitoring wells at 116 and 160 North Main Street, Milpitas, we are confirming that HEW Drilling will perform the work in compliance with specifications of the Santa Clara Valley Water District. With your verbal notification that we have been selected as the contractor for the project, we have prepared and sent in the required permit applications to the water district.

When the permits are mailed to us, we will notify you for a commencement date. Arrangements will be coordinated to allow for the presence of a district inspector to be on hand during the destructions. Upon completion of the work and receipt of completion notices from the district, we will provide and submit a completed DWR report for your records.

Sincerely,

HEW DRILLING COMPANY, INC.

Henry Wong

HW/ej

HEW DRILLING COMPANY, INC.
ESTABLISHED 1972
Soil & Geological Explorations • Contamination Investigations • Monitor Wells

Street Address:
1045 Weeks Street
E. Palo Alto, CA 94303

Mailing Address:
P.O. Box 51182
Palo Alto, CA 94303

State License 604987
(650) 322-2851 FAX (650) 322-0339

November 26, 2001

City of Milpitas
New Temporary City Hall
1210 Great Mall Drive
Milpitas, California 95035

Attention: Joe Ezeokeke

Subject: Proposal for Monitoring Well Destructions at 116 & 160 North Main Street, Milpitas.

Dear Mr. Ezeokeke,

Upon review of your Request For Quotation, we are pleased to submit our cost proposal for well abandonments at the subject sites. There are six (6) monitoring wells set twenty (20) feet, including one at twenty-one (21) feet. All wells are constructed with (2) inch PVC casing.

We assume surface well covers protect all well locations. We will remove the well covers, drill out the PVC casings and grout the boreholes. All debris and excess fluids will be drummed and left on site for future disposal by the city.

Surface completions will match the existing surface with asphalt cold patch or by coloring with lampblack. Each site will be cleaned and left in its original condition. Our cost for this work will be $2,970.

Upon completion of our work, we will submit proper documentation to the Santa Clara Valley Water District. We will arrange for the district permits and inspections. Please allow ten(10) days for permit acquisitions. Upon notification that we are the successful bidder, we will contact you for information to acquire permits.

Sincerely yours,

HEW DRILLING COMPANY, INC.

Henry Wong
/hw

CITY OF MILPITAS

Mailing Address: 455 East Calaveras Boulevard, Milpitas, California 95035-5479 • www.ci.milpitas.ca.gov
Temporary Location: 1210 Great Mall Drive

November 21, 2001

To: Prospective Contractors

REQUEST FOR QUOTATION

MONITORING WELL DESTRUCTION AT 116 AND 160 NORTH MAIN STREET MILPITAS

Please provide me with a quotation for destruction of six (6) monitoring wells located at Milpitas Old Corporation Yard and the Senior Center. Contractor shall apply for and obtain drilling and well abandonment permits from Santa Clara Valley Water District. Please contact Bill Cameron of Santa Clara Valley Water District at (408) 265-2607, extension 2654 for information on permit. Contractor shall also contact Joe Ezeokeke, City of Milpitas at (408) 586-3316 and Bruce Pallack of Garb's Towing at (408) 262-6632 to arrange site access.

Contractor shall posses a minimum of C-57 Well Drilling license from the contractor's State License Board. The well casing and filter pack shall be over-drilled using hollow-stem augers, and all well materials removed. Table 1 presents the well construction details. The resulting boreholes shall be tremmie grouted to the surface using a Portland cement with bentonite grout. Fluids displaced during drilling shall be pumped and stored in steel 55-gallon drums pending profiling and disposal. Soil cuttings generated during the well abandonment shall also be placed in steel 55-gallon drums, and stored onsite pending profiling and disposal.

Surface completion shall match the existing surface. Asphalt paved areas shall be replaced with cold-patch asphalt to a minimum of 4" deep. Upon completion of well abandonment, contractor shall prepare and submit well abandonment documentation to Santa Clare Valley Water District.

Quotations must be received by 5:00 p.m. on December 7, 2001. Quotations must be submitted in person to Public Services Counter, Milpitas New Temporary City Hall, 1210 Great Mall Drive, Milpitas, California 95035. Quotations can also be sent by fax to (408) 586-3305, attention, Joe Ezeokeke.

If you have any questions or need more information, please call me. I can be reached at (408) 586-3316.

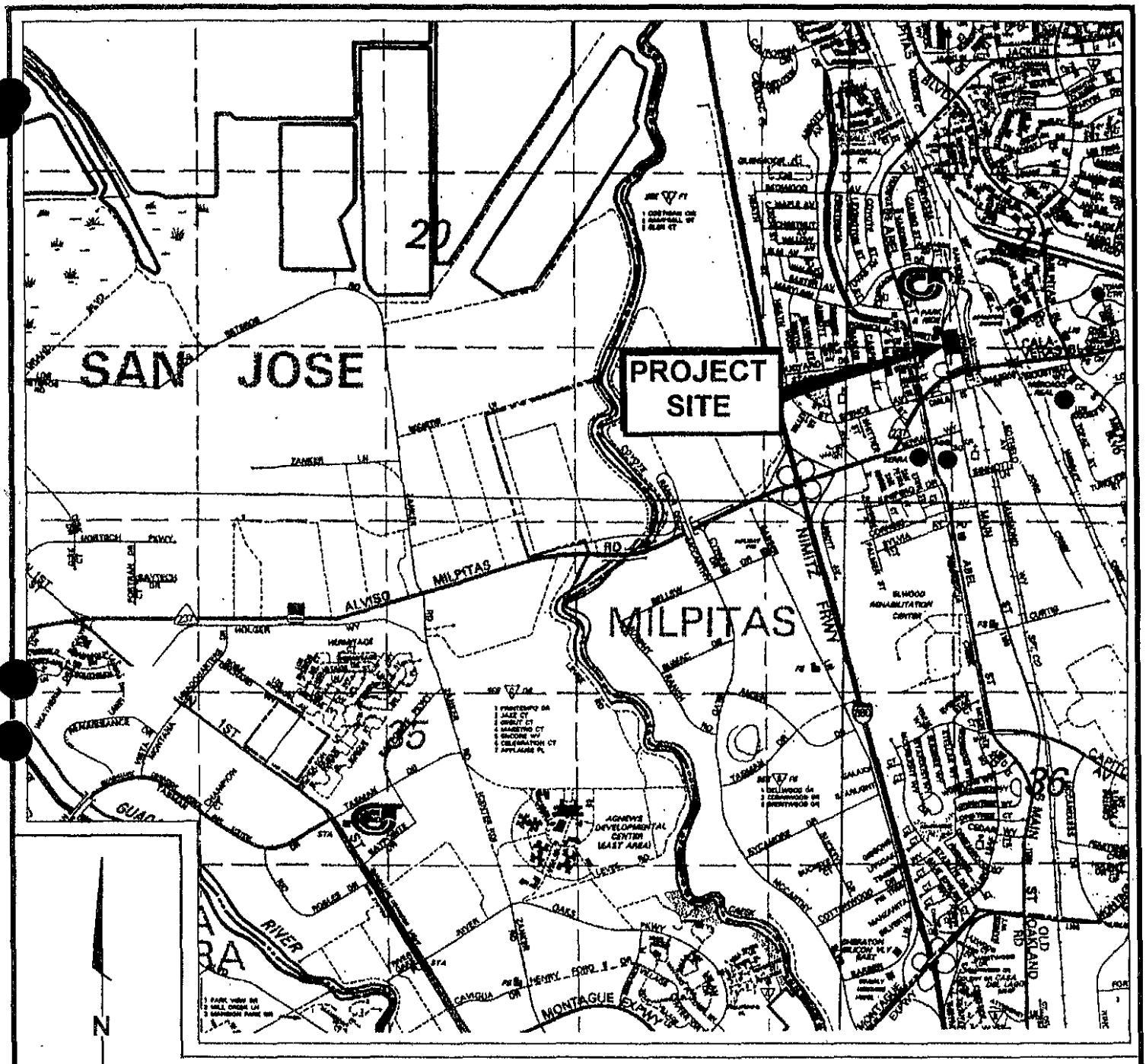
Sincerely,

Joe Ezeokeke, P.E.
Project Engineer

Table 1
Compilation of Well Construction Information
Milpitas Old Corporation Yard
Monitoring Well Construction Summary
116 and 160 North Main Street
Milpitas, California

Well Designation	Casing Diameter (inches)	Total Depth (feet bgs)	Screened Interval (feet bgs)	Depth to Water (1) (feet bgs)
MW-1R	2	20	5 - 20	7.77
MW-2	2	21	10 - 20	7.06
MW-3	2	20	8 - 21	6.87
MW-4	2	20	7 - 20	5.88
MW-5	2	20	7 - 20	6.85
MW-6	2	20	5 - 20	8.83

Feet bgs = Feet below ground surface
(1) Depth to water last measured on September 27, 2000



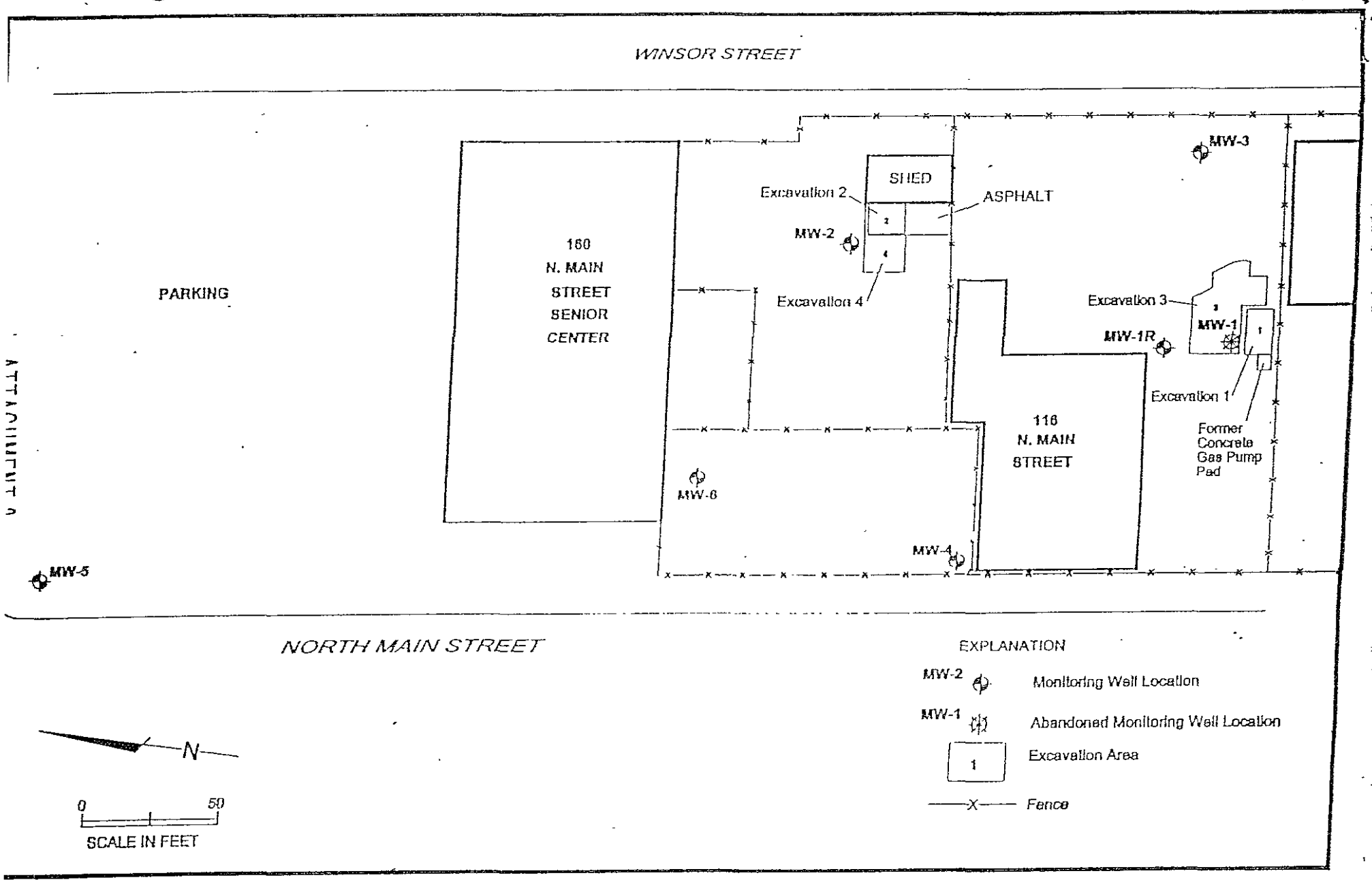
Ref: "The Thomas Guide- Golden Gate Street Guide and Directory" 1993 Edition

PES Environmental, Inc.
Engineering & Environmental Services

Site Location Map
City of Milpitas
160 & 116 North Main Street
Milpitas, California

PLATE
1

129.0202.008	1290202007_milpitas-01	SA	09/00
JOB NUMBER	DRAWING NUMBER	REVIEWED BY	DATE



ATTACHMENT 4

PES Environmental, Inc.
Engineering & Environmental Services

Site Plan
City of Milpitas
160 & 116 North Main Street
Milpitas, California

PLATE
2

202.002	1290202007_milpitas-01	SC	01/00
NUMBER	DRAWING NUMBER	REVIEWED BY	DATE

TABLE OF WELL MONITORING DATA

Well I.D.	MW-1R			MW-1R			MW-1R		
Date Sampled	12/22/99			03/27/00			06/28/00		
Well Diameter (in.)	2			2			2		
Total Well Depth (ft.)	18.25			18.00			18.00		
Depth To Water (ft.)	7.05			8.00			7.69		
Free Product (in.)	NONE			NONE			NONE		
Reason If Not Sampled	--			--			--		
1 Case Volume (gal.)	1.7			1.6			1.6		
Did Well Dewater?	NO			NO			NO		
Gallons Actually Evacuated	5.00			5.00			5.00		
Purging Device	DISPOSABLE BAILER			DISPOSABLE BAILER			DISPOSABLE BAILER		
Sampling Device	DISPOSABLE BAILER			DISPOSABLE BAILER			DISPOSABLE BAILER		
Time	9:58	10:00	10:04	10:40	10:42	10:44	12:21	12:24	12:27
Temperature (Fahrenheit)	64.1	66.1	66.1	61.3	61.8	62.4	70.9	70.4	70.8
pH	9.4	9.4	9.6	9.5	9.3	9.3	9.1	9.1	9.2
Conductivity (micromhos/cm)	5877	5888	5980	5479	5510	5527	5440	5500	5520
Pre-Purge Dissolved Oxygen (mg/L)	--			--			--		
Post-Purge Dissolved Oxygen (mg/L)	11.46			8.35			3.4		
BTS Chain of Custody	991222-Y1			000327-U1			000628-G2		
BTS Sample I.D.	MW-1R			MW-1R			MW-1R		
DOHS HMTL Laboratory	*SEQUOIA*			*SEQUOIA*			SEQUOIA		
Analysis	TPH (GAS), BTEX, MTBE, MTBE BY 8260			TPH (GAS), BTEX, MTBE			TPH (GAS), BTEX, MTBE		

SUMMARY OF CAR RESULTS in parts per billion unless otherwise noted

DOHS HMTL Laboratory	SEQUOIA	SEQUOIA	SEQUOIA
Laboratory Sample I.D.	L912216-01	MJC0950-01	MJF0963-01
TPH Gasoline	277	421	417
Benzene	34.6	76.6	61.7
Toluene	1.11	2.19	4.55
Ethyl Benzene	7.52	11.6	9.76
Xylene	9.14	17.5	27.3
Methyl t-Butyl Ether	15.5	18.9	18.4
Methyl t-Butyl Ether by 8260	13.2*	14.2	13.8*

In the interest of clarity, an addendum has been added to the TABLE which lists analytical results in such a way that our field observations are presented together with the analytical results. This addendum is entitled a SUMMARY OF CAR RESULTS. As indicated by the title, the source documents for these numbers are the laboratory's certified analytical reports. These certified analytical reports (CARs) are generated by the laboratory as the sole official documents in which they issue their findings. Any discrepancy between the CAR and a tabular or text presentation of analytical values must be decided in favor of the CAR on the grounds that the CAR is the authoritative legal document.

* Sample was analyzed past the EPA recommended holding time.

TABLE OF WELL MONITORING DATA

Well I.D.	MW-2			MW-2			MW-2		
Date Sampled	12/22/99			03/27/00			06/28/00		
Well Diameter (in.)	2			2			2		
Total Well Depth (ft.)	19.00			18.66			18.66		
Depth To Water (ft.)	7.14			6.61			6.76		
Free Product (in.)	NONE			NONE			NONE		
Reason If Not Sampled	--			--			--		
1 Case Volume (gal.)	1.8			1.9			1.9		
Did Well Dewater?	NO			NO			NO		
Gallons Actually Evacuated	6.00			6.00			6.00		
Purging Device	DISPOSABLE BAILER			DISPOSABLE BAILER			DISPOSABLE BAILER		
Sampling Device	DISPOSABLE BAILER			DISPOSABLE BAILER			DISPOSABLE BAILER		
Time	11:56	12:00	12:04	9:35	9:37	9:39	11:26	11:30	11:34
Temperature (Fahrenheit)	68.8	68.9	69.0	61.1	61.4	61.8	68.5	68.3	68.8
pH	8.5	8.3	8.2	9.4	9.5	9.4	9.0	9.0	8.9
Conductivity (micromhos/cm)	2793	2748	2728	2775	2723	2721	2560	2570	2590
Pre-Purge Dissolved Oxygen (mg/L)	--			--			--		
Post-Purge Dissolved Oxygen (mg/L)	5.26			5.71			3.1		
BTS Chain of Custody	991222-Y1			000327-U1			000628-G2		
BTS Sample I.D.	MW-2			MW-2			MW-2		
DOHS HMTL Laboratory	SEQUOIA			SEQUOIA			SEQUOIA		
Analysis	TPH (GAS), BTEX & MTBE			TPH (GAS), BTEX & MTBE			TPH (GAS), BTEX & MTBE		

S U M M A R Y O F C A R R E S U L T S in parts per billion unless otherwise noted

DOHS HMTL Laboratory	SEQUOIA	SEQUOIA	SEQUOIA
Laboratory Sample I.D.	L912216-02	MJC0950-02	MJF0963-02
TPH Gasoline	3090	3390	3680
Benzene	335	874	410
Toluene	196	342	172
Ethyl Benzene	93.3	109	87.8
Xylene	94.6	165	126
Methyl t-Butyl Ether	ND	28.7	ND
Methyl t-Butyl Ether by 8260	--	3.13	--

TABLE OF WELL MONITORING DATA

ll I.D.	MW-3			MW-3			MW-3		
te Sampled	12/22/99			03/27/00			06/28/00		
Well Diameter (in.)	2			2			2		
Total Well Depth (ft.)	19.03			18.83			18.83		
Depth To Water (ft.)	6.88			6.41			6.53		
Free Product (in.)	NONE			NONE			NONE		
Reason If Not Sampled	--			--			--		
1 Case Volume (gal.)	1.9			1.9			2.0		
Did Well Dewater?	NO			NO			NO		
Gallons Actually Evacuated	6.00			6.00			6.50		
Purging Device	DISPOSABLE BAILER			DISPOSABLE BAILER			DISPOSABLE BAILER		
Sampling Device	DISPOSABLE BAILER			DISPOSABLE BAILER			DISPOSABLE BAILER		
Time	9:33	9:37	9:40	10:20	10:22	10:24	12:04	12:07	12:10
Temperature (Fahrenheit)	65.9	66.7	66.9	61.0	61.7	62.4	70.1	70.2	69.8
pH	7.6	7.6	7.6	8.9	8.6	8.5	8.1	8.2	8.2
Conductivity (micromhos/cm)	4791	4815	4818	1624	1796	1794	2870	2910	2930
Pre-Purge Dissolved Oxygen (mg/L)	--			--			--		
Post-Purge Dissolved Oxygen (mg/L	3.98			2.41			2.9		
BTS Chain of Custody	991222-Y1			000327-U1			000628-G2		
BTS Sample I.D.	MW-3			MW-3			MW-3		
DOHS HMTL Laboratory	SEQUOIA			SEQUOIA			SEQUOIA		
lysis	TPH (GAS), BTEX & MTBE			TPH (GAS), BTEX & MTBE			TPH (GAS), BTEX & MTBE		

S U M M A R Y O F C A R R E S U L T S in parts per billion unless otherwise noted

DOHS HMTL Laboratory	SEQUOIA	SEQUOIA	SEQUOIA
Laboratory Sample I.D.	L912216-03	MJC0950-03	MJF0963-03
TPH Gasoline	ND	ND	ND
Benzene	ND	ND	ND
Toluene	ND	ND	ND
Ethyl Benzene	ND	ND	ND
Xylene	ND	ND	ND
Methyl t-Butyl Ether	ND	ND	ND

TABLE OF WELL MONITORING DATA

Well I.D.	MW-4			MW-4			MW-4		
Date Sampled	12/22/99			03/27/00			06/28/00		
Well Diameter (in.)	2			2			2		
Total Well Depth (ft.)	19.65			19.73			19.73		
Depth To Water (ft.)	6.99			6.63			6.70		
Free Product (in.)	NONE			NONE			NONE		
Reason If Not Sampled	--			--			--		
1 Case Volume (gal.)	2.0			2.0			2.1		
Did Well Dewater?	NO			NO			NO		
Gallons Actually Evacuated	6.00			6.00			6.50		
Purging Device	DISPOSABLE BAILER			DISPOSABLE BAILER			DISPOSABLE BAILER		
Sampling Device	DISPOSABLE BAILER			DISPOSABLE BAILER			DISPOSABLE BAILER		
Time	11:32	11:36	11:39	9:15	9:17	9:19	10:55	10:58	11:01
Temperature (Fahrenheit)	64.9	65.1	65.3	58.9	61.1	61.3	66.7	66.5	66.5
pH	7.8	7.8	7.8	7.6	7.8	7.9	7.9	7.9	7.9
Conductivity (micromhos/cm)	2870	2848	2848	2768	2724	2732	2800	2810	2800
Pre-Purge Dissolved Oxygen (mg/L)	--			--			--		
Post-Purge Dissolved Oxygen (mg/L	5.67			5.79			0.4		
S Chain of Custody	991222-Y1			000327-U1			000628-G2		
S Sample I.D.	MW-4			MW-4			MW-4		
DOHS HMTL Laboratory	SEQUOIA			SEQUOIA			SEQUOIA		
alysis	TPH (GAS), BTEX & MTBE			TPH (GAS), BTEX & MTBE			TPH (GAS), BTEX & MTBE		

S U M M A R Y O F C A R R E S U L T S in parts per billion unless otherwise noted

DOHS HMTL Laboratory	SEQUOIA	SEQUOIA	SEQUOIA
Laboratory Sample I.D.	L912216-04	MJC0950-04	MJF0963-04
TPH Gasoline	ND	ND	ND
Benzene	ND	ND	ND
Toluene	ND	ND	ND
Ethyl Benzene	ND	ND	ND
Xylene	ND	ND	ND
Methyl t-Butyl Ether	ND	ND	ND

TABLE OF WELL MONITORING DATA

Well I.D.	MW-5			MW-5			MW-5		
Date Sampled	12/22/99			03/27/00			06/28/00		
Well Diameter (in.)	2			2			2		
Total Well Depth (ft.)	17.21			17.10			17.10		
Depth To Water (ft.)	6.71			5.95			6.13		
Free Product (in.)	NONE			NONE			NONE		
Reason If Not Sampled	--			--			--		
1 Case Volume (gal.)	1.6			1.8			1.8		
Did Well Dewater?	NO			NO			NO		
Gallons Actually Evacuated	5.00			5.50			6.00		
Purging Device	DISPOSABLE BAILER			DISPOSABLE BAILER			DISPOSABLE BAILER		
Sampling Device	DISPOSABLE BAILER			DISPOSABLE BAILER			DISPOSABLE BAILER		
Time	11:00	11:03	11:06	8:25	8:27	8:29	10:19	10:28	10:32
Temperature (Fahrenheit)	68.7	69.6	69.7	62.9	62.0	64.1	70.8	70.6	70.2
pH	7.5	7.5	7.5	6.8	7.3	7.3	7.7	7.7	7.6
Conductivity (micromhos/cm)	4400	4349	4328	4169	4224	4228	4285	4260	4280
Pre-Purge Dissolved Oxygen (mg/L)	--			--			--		
Post-Purge Dissolved Oxygen (mg/L	5.18			1.97			0.3		
BTS Chain of Custody	991222-Y1			000327-U1			000628-G2		
BTS Sample I.D.	MW-5			MW-5			MW-5		
DOHS HMTL Laboratory	SEQUOIA			SEQUOIA			SEQUOIA		
Analysis	TPH (GAS), BTEX & MTBE			TPH (GAS), BTEX & MTBE			TPH (GAS), BTEX & MTBE		

SUMMARY OF CAR RESULTS in parts per billion unless otherwise noted

DOHS HMTL Laboratory	SEQUOIA	SEQUOIA	SEQUOIA
Laboratory Sample I.D.	L912216-05	MJC0950-05	MJF0963-05
TPH Gasoline	ND	ND	ND
Benzene	ND	ND	ND
Toluene	ND	ND	ND
Ethyl Benzene	ND	ND	ND
Xylene	ND	ND	ND
Methyl t-Butyl Ether	ND	ND	ND

TABLE OF WELL MONITORING DATA

Well I.D.	MW-6			MW-6			MW-6		
Date Sampled	12/22/99			03/27/00			06/28/00		
Well Diameter (in.)	2			2			2		
Total Well Depth (ft.)	19.55			19.47			19.47		
Depth To Water (ft.)	8.12			8.55			8.60		
Free Product (in.)	NONE			NONE			NONE		
Reason If Not Sampled	--			--			--		
1 Case Volume (gal.)	1.8			1.7			1.7		
Did Well Dewater?	NO			NO			NO		
Gallons Actually Evacuated	6.00			5.00			6.00		
Purging Device	DISPOSABLE BAILER			DISPOSABLE BAILER			DISPOSABLE BAILER		
Sampling Device	DISPOSABLE BAILER			DISPOSABLE BAILER			DISPOSABLE BAILER		
Time	10:35	10:38	10:41	8:55	8:57	8:59	9:39	9:48	9:51
Temperature (Fahrenheit)	65.2	65.9	66.1	58.9	60.0	60.2	66.8	68.3	67.6
pH	7.2	7.1	7.2	6.9	7.3	7.3	6.9	7.1	7.2
Conductivity (micromhos/cm)	3482	3436	3393	3866	3786	3762	3564	3613	3600
Pre-Purge Dissolved Oxygen (mg/L)	--			--			--		
Post-Purge Dissolved Oxygen (mg/L	3.44			2.03			0.4		
S Chain of Custody	991222-Y1			000327-U1			000628-G2		
B1S Sample I.D.	MW-6			MW-6			MW-6		
OHS HMTL Laboratory	SEQUOIA			SEQUOIA			SEQUOIA		
nalysis	TPH (GAS), BTEX & MTBE			TPH (GAS), BTEX & MTBE			TPH (GAS), BTEX & MTBE		

SUMMARY OF CAR RESULTS in parts per billion unless otherwise noted

DOHS HMTL Laboratory	SEQUOIA	SEQUOIA	SEQUOIA
Laboratory Sample I.D.	L912216-06	MJC0950-06	MJF0963-06
TPH Gasoline	ND	ND	ND
Benzene	ND	ND	ND
Toluene	ND	ND	ND
Ethyl Benzene	ND	ND	ND
Xylene	ND	ND	ND
Methyl t-Butyl Ether	ND	ND	ND